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

**Meeting Report  
for  
TSG SA WG5  
meeting: 139e**

**Electronic meeting, Online, 11/10/2021 to 20/10/2021**

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## 1 Opening of the meeting

A summary of the email discussions can be found in the following documents:

S5-215007 OAM Chair notes and conclusions

S5-215445 CH agenda and time plan

## 2 Approval of the agenda

**S5-215000 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.

### 4.1 Last SA5 meeting report

**S5-215001 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

### 5.1 Administrative issues at SA5 level

**S5-215002 e-meeting process**

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

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

**S5-215003 Post e-meeting email approval status**

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

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

**S5-215010 SA5 working procedures**

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

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

**S5-215011 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

### 5.3 Liaison statements at SA5 level

**S5-215013 LS cc SA5 on Prioritized Vehicle to Cloud Technical Solutions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: Automotive Edge Computing Consortium (AECC)*

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

**S5-215014 LS on Guidelines on Port Allocation for New 3GPP Interfaces**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-214848*

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

**S5-215015 Resubmitted 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 **replied to in S5-215083**.

**S5-215016 Resubmitted 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 **replied to in S5-215486**.

**S5-215017 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**.

**S5-215018 Resubmitted 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*

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

**S5-215020 Liaison**

**Multi-SDO Autonomous Networks (AN) SDO:**

**Legal Representative IPR Discussion Meeting Notes:**

**Minutes and Actions 13th Sept 2021 Meeting**

**Ref AN-SDO2021-010**

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

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

**S5-215021 Liaison**

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

**Proposal for Legal representative IPR discussion 13th Sept 2021 14:00 CET**

**Liaison AN-SDO2021-09**

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

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

**S5-215022 Reply LS on Inclusive language for ANR**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2108869*

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

**S5-215023 Reply LS on Inclusive Language for ANR**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-214289*

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

**S5-215036 Reply LS ccSA5 to 5G-ACIA on 5G capabilities exposure for factories of the future**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: SP-211134*

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

**S5-215037 Reply LS on Inclusive language review**

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

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

**S5-215083 Reply LS to GSMA on new whitepaper E2E Network Slicing Architecture**

*Type: LS out For: Approval  
 to GSMA NG, cc 3GPP SA, SA2, RAN  
 Source: Huawei*

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

**S5-215444 LS ccSA5 on 5G capabilities exposure for factories of the future**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2106683*

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

**S5-215480 Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison:**

**Minutes Legal representative IPR Meeting the 13th of September 2021 and IPR proposal**

**Liaison AN-SDO2021-10[Document Title]**

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

**Decision:** The document was **replied to in S5-215483**.

**S5-215483 Reply LS on Liaison Multi-SDO Autonomous Networks (AN)**

*Type: LS out For: Approval  
 to TMF, cc ETSI, GSMA, ONAP, NGNM, CCSA, IEEE, IETF, ITU-T  
 Source: WG Chair*

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

**S5-215484 LS to 3GPP OPs on Multi-SDO Autonomous Networks (AN) formal cooperation proposal from TM Forum**

*Type: LS out For: Approval  
 to PCG, cc SA  
 Source: WG Chair*

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

**S5-215486 Reply to TM Forum on Intent Management**

*Type: LS out For: Approval  
 to TMF, cc SA  
 Source: Ericsson*

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

### 5.4 SA5 meeting calendar

**S5-215012 SA5 meeting calendar**

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

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

### 6.1 OAM&P Plenary

**S5-215004 OAM&P action list**

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

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

**S5-215005 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

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

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

**S5-215006 OAM Exec Report**

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

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

**S5-215007 OAM Chair notes and conclusions**

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

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

**S5-215019 Resubmitted 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**.

**S5-215024 Reply LS on using SA5 Performance Measurements and Trace for centralised PCI management**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2108967*

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

**S5-215025 LS on QoE Reference and maximum number of QoE configurations in RRC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2109200*

**Decision:** The document was **replied to in S5-215213**.

**S5-215026 LS Reply on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-214429*

**Decision:** The document was **replied to in S5-215493**.

**S5-215493 Reply to: LS Reply on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions**

*Type: LS out For: approval  
 to RAN3, cc RAN2  
 Source: Ericsson Japan K-K*

(Replaces S5-215216)

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

**S5-215027 Reply LS on QoE configuration and reporting related issues**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-214471*

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

**S5-215028 LS on RAN3 agreements for NR QoE**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-214477*

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

**S5-215029 LS to SA5 on model deployment and update from OAM to NG-RAN**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-214481*

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

**S5-215485 Reply to: LS to SA5 on model deployment and update from OAM to NG-RAN**

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

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

**S5-215030 LS on the Beam measurement reports for the MDT measurements**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-214519*

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

**S5-215031 LS on Network slice information from OAM**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2106634*

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

**S5-215032 LS on TS 28.404/TS 28.405 Clarification**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-211234*

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

**S5-215033 LS ccSA5 Reply on requirement for configuration changes of ongoing QMC sessions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-211248*

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

**S5-215034 LS Reply on QoE report handling at QoE pause**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-211290*

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

**S5-215035 Reply LS ccSA5 on QoE configuration and reporting related issues**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-211291*

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

**S5-215154 Collection of useful endorsed document and external communication documents**

*Type: other For: (not specified)  
 28.532 v..  
 Source: SA5 Vice chair (Huawei)*

(Replaces S5-214301)

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

**S5-215213 Reply LS on QoE Reference and maximum number of QoE configurations in RRC**

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

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

**S5-215406 Recommendation on improving OAM discussion efficiency**

*Type: other For: (not specified)  
 Source: SA5 Chair, SA5 Vice Chair (Huawei)*

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

**S5-215442 Reply LS cc SA5 on the mapping between service types and slice at application**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2106537*

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

**S5-215443 Reply LS ccSA5 on UPF support for multiple network slices**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2106550*

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

**S5-215481 LS on methodology harmonization update**

*Type: LS out For: Approval  
 to ITU-T SG2  
 Source: WG Chair*

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

**S5-215482 Reply LS on slicing management aspects in relation to SEAL (reply to S5-215017)**

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

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

### 6.2 New OAM&P Work Item proposals

**S5-215073 New WID on Self-Configuration of RAN NEs**

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

**Decision:** The document was **revised to S5-215494**.

**S5-215494 New WID on Self-Configuration of RAN NEs**

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

(Replaces S5-215073)

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

**S5-215082 New SID on enhancement on management of NPN**

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

**Decision:** The document was **revised to S5-215647**.

**S5-215647 New SID on enhancement on management of NPN**

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

(Replaces S5-215082)

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

**S5-215086 New Rel-18 WID on Enhanced intent driven management services for mobile network**

*Type: WID new For: Agreement  
 Source: Huawei, China Telecom, CATT, AsiaInfo, China Unicom, China Mobile*

(Replaces S5-214171)

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

**S5-215090 New WID on PaaS for Virtualized Network Functions**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

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

**S5-215099 New WID on PaaS for Virtualized Network Functions**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

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

**S5-215103 New SID on Deterministic Service Assurance Management**

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

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

**S5-215105 New SID on Fault Supervision Evolution**

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

**Decision:** The document was **revised to S5-215495**.

**S5-215495 New SID on Fault Supervision Evolution**

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

(Replaces S5-215105)

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

**S5-215155 New SID on Key Quality Indicators(KQIs)for 5G service experience**

*Type: SID new For: Approval  
 Source: Huawei, China Mobile, China Telecom, AsiaInfo, CATT, China Unicom*

**Decision:** The document was **revised to S5-215496**.

**S5-215496 New SID on Key Quality Indicators(KQIs)for 5G service experience**

*Type: SID new For: Approval  
 Source: Huawei, China Mobile, China Telecom, AsiaInfo, CATT, China Unicom*

(Replaces S5-215155)

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

**S5-215165 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**.

**S5-215180 New SID on Digital twin for network management**

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

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

**S5-215181 New SID on Federated learning for mobile network management**

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

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

**S5-215254 New SID on Intent driven management related to core network**

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

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

**S5-215277 New WID on Network Slice Provisioning Enhancement**

*Type: WID new For: Agreement  
 Source: Samsung Research America*

**Decision:** The document was **revised to S5-215497**.

**S5-215497 New WID on Network Slice Provisioning Enhancement**

*Type: WID new For: Agreement  
 Source: Samsung Research America*

(Replaces S5-215277)

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

**S5-215376 New SID Study on AI/ML management**

*Type: SID new For: Approval  
 Source: Intel, NEC, Orange, Verizon, China Telecom, China Unicom, Samsung, CATT, ZTE, AT&T, Deutsche Telekom, Telefónica S.A., Lenovo, Motorola Mobility, China Mobile, US Cellular*

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

**S5-215397 New SID Study on measurement data collection to support RAN intelligence**

*Type: SID new For: Approval  
 Source: Intel Corporation (UK) Ltd, Verizon, AT&T*

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

**S5-215404 Study on Enhancement of the management aspects related to NWDAF**

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

**Abstract:**

Study on Enhancement of the management aspects related to NWDAF

**Decision:** The document was **revised to S5-215499**.

**S5-215499 Study on Enhancement of the management aspects related to NWDAF**

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

(Replaces S5-215404)

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

**S5-215408 CR Rel-17 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 2**

*Type: CR For: Agreement  
 28.531 v17.1.0 CR-0088 Cat: C (Rel-17)  
  
 Source: Samsung Research America*

**Decision:** The document was **revised to S5-215498**.

**S5-215498 CR Rel-17 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 2**

*Type: CR For: Agreement  
 28.531 v17.1.0 CR-0088 rev 1 Cat: C (Rel-17)  
  
 Source: Samsung Research America*

(Replaces S5-215408)

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

**S5-215409 CR 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 3**

*Type: CR For: Agreement  
 28.531 v17.1.0 CR-0089 Cat: C (Rel-17)  
  
 Source: Samsung Research America*

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

**S5-215419 New Rel-18 SID on network slice provisioning enhancement**

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

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

**S5-215420 New Rel-18 WID on network slice sharing policy**

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

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

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

**S5-215042 Align different (abbreviated) names for support qualifier to “S”**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0570 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215043 Align different (abbreviated) names for support qualifier to “S”**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0571 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215044 Correct Class diagram of AMF Region/AMF Set and stage 3 implementation**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0572 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-215505**.

**S5-215505 Correct Class diagram of AMF Region/AMF Set and stage 3 implementation**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0572 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-215044)

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

**S5-215045 Correct Class diagram of AMF Region/AMF Set and stage 3 implementation**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0573 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215046 Clarify the usage of pLMNId in first entry in pLMNInfoList**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0574 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-215506**.

**S5-215506 Clarify the usage of pLMNId in first entry in pLMNInfoList**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0574 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-215046)

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

**S5-215047 Clarify the usage of pLMNId in first entry in pLMNInfoList**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0575 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-215507**.

**S5-215507 Clarify the usage of pLMNId in first entry in pLMNInfoList**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0575 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-215047)

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

**S5-215117 Rel-16 CR TS 28.532 Align the description for generic provisioning MnS**

*Type: CR For: Agreement  
 28.532 v16.9.0 CR-0187 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215503**.

**S5-215503 Rel-16 CR TS 28.532 Align the description for generic provisioning MnS**

*Type: CR For: Agreement  
 28.532 v16.9.0 CR-0187 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-215117)

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

**S5-215118 Rel-16 CR TS 28.532 Fix the incorrect reference of Generic fault supervision management service to TS 32.158**

*Type: CR For: Agreement  
 28.532 v16.9.0 CR-0188 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-215119 Rel-16 CR TS 28.532 Fix the incorrect reference of File data reporting service to TS 32.158**

*Type: CR For: Agreement  
 28.532 v16.9.0 CR-0189 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-215120 Rel-16 CR TS 28.532 Rel-16 CR TS 28.532 Fix the URI description for streaming data report MnS**

*Type: CR For: Agreement  
 28.532 v16.9.0 CR-0190 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215504**.

**S5-215504 Rel-16 CR TS 28.532 Rel-16 CR TS 28.532 Fix the URI description for streaming data report MnS**

*Type: CR For: Agreement  
 28.532 v16.9.0 CR-0190 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-215120)

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

**S5-215219 28.817 fix editorial issues**

*Type: pCR For: Approval  
 28.817 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215248 Rel-16 CR 32.422 Introduce missing references**

*Type: CR For: Approval  
 32.422 v16.7.0 CR-0375 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215249 Rel-17 CR 32.422 Introduce missing references**

*Type: CR For: Approval  
 32.422 v17.4.0 CR-0376 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215250 Rel-16 CR 28.622 Introduce missing references**

*Type: CR For: Approval  
 28.622 v16.9.0 CR-0121 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215256 Rel-16 CR 28.531 Technical errors in use case descriptions**

*Type: CR For: Agreement  
 28.531 v16.11.0 CR-0086 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215501**.

**S5-215501 Rel-16 CR 28.531 Technical errors in use case descriptions**

*Type: CR For: Agreement  
 28.531 v16.11.0 CR-0086 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-215256)

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

**S5-215257 Rel-17 CR 28.531 Technical errors in use case descriptions**

*Type: CR For: Agreement  
 28.531 v17.1.0 CR-0087 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215502**.

**S5-215502 Rel-17 CR 28.531 Technical errors in use case descriptions**

*Type: CR For: Agreement  
 28.531 v17.1.0 CR-0087 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215257)

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

**S5-215258 Rel16 CR 28.541 cNSIID description clarification**

*Type: CR For: Agreement  
 28.541 v16.10.0 CR-0588 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215508**.

**S5-215508 Rel16 CR 28.541 cNSIID description clarification**

*Type: CR For: Agreement  
 28.541 v16.10.0 CR-0588 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-215258)

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

**S5-215259 Rel17 CR 28.541 cNSIID description clarification**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0589 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215509**.

**S5-215509 Rel17 CR 28.541 cNSIID description clarification**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0589 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215259)

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

**S5-215260 Rel16 CR 28.541 Correct NRM for AMFRegion and AMFSet**

*Type: CR For: Agreement  
 28.541 v16.10.0 CR-0590 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-215261 Rel17 CR 28.541 Correct NRM for AMFRegion and AMFSet**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0591 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215510**.

**S5-215510 Rel17 CR 28.541 Correct NRM for AMFRegion and AMFSet**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0591 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215261)

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

**S5-215339 Rel-16 CR DMRO correction**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0594 Cat: F (Rel-16)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-215511**.

**S5-215511 Rel-16 CR DMRO correction**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0594 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-215339)

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

**S5-215340 Rel-17 CR DMRO correction**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0595 Cat: A (Rel-17)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-215512**.

**S5-215512 Rel-17 CR DMRO correction**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0595 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-215340)

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

**S5-215341 Rel-16 CR Correct maximumDeviationHoTrigger**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0596 Cat: F (Rel-16)  
  
 Source: Ericsson France S.A.S*

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

**S5-215342 Rel-17 CR Correct maximumDeviationHoTrigger**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0597 Cat: A (Rel-17)  
  
 Source: Ericsson France S.A.S*

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

**S5-215343 Rel-16 CR Correct handover execution failure measurement**

*Type: CR For: Approval  
 28.552 v16.11.0 CR-0325 Cat: F (Rel-16)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-215514**.

**S5-215514 Rel-16 CR Correct handover execution failure measurement**

*Type: CR For: Approval  
 28.552 v16.11.0 CR-0325 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-215343)

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

**S5-215344 Rel-17 CR Correct handover execution failure measurement**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0326 Cat: A (Rel-17)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-215515**.

**S5-215515 Rel-17 CR Correct handover execution failure measurement**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0326 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-215344)

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

**S5-215345 Rel-16 Update handover measurements**

*Type: CR For: Approval  
 28.552 v16.11.0 CR-0327 Cat: F (Rel-16)  
  
 Source: Ericsson, Telefonica, Nokia, CMCC,China Telecom*

**Decision:** The document was **revised to S5-215516**.

**S5-215516 Rel-16 Update handover measurements**

*Type: CR For: Approval  
 28.552 v16.11.0 CR-0327 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson, Telefonica, Nokia, CMCC,China Telecom*

(Replaces S5-215345)

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

**S5-215346 Rel-17 Update handover measurements**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0328 Cat: A (Rel-17)  
  
 Source: Ericsson, Telefonica, Nokia, CMCC,China Telecom*

**Decision:** The document was **revised to S5-215517**.

**S5-215517 Rel-17 Update handover measurements**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0328 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson, Telefonica, Nokia, CMCC,China Telecom*

(Replaces S5-215346)

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

**S5-215350 Rel-16 CR 32.158 Add more examples on how to use provisioning operations**

*Type: CR For: Approval  
 32.158 v16.4.0 CR-0020 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-214392)

**Decision:** The document was **revised to S5-215648**.

**S5-215648 Rel-16 CR 32.158 Add more examples on how to use provisioning operations**

*Type: CR For: Approval  
 32.158 v16.4.0 CR-0020 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-215350)

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

**S5-215351 Rel-16 CR 28.622 Add missing definitions of common data types**

*Type: CR For: Approval  
 28.622 v16.9.0 CR-0107 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213207)

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

**S5-215352 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 v16.9.0 CR-0183 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Huawei, Samsung*

(Replaces S5-214401)

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

**S5-215353 Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2)**

*Type: CR For: Approval  
 28.532 v16.9.0 CR-0184 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Huawei, Samsung*

(Replaces S5-214412)

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

**S5-215356 Rel-17 CR 28.160 Amend stage 2 NRM specification template**

*Type: CR For: Approval  
 32.160 v17.3.0 CR-0025 Cat: D (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215368 Correction of YANG Solution set**

*Type: CR For: Approval  
 28.623 v16.9.0 CR-0139 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-215513**.

**S5-215513 Correction of YANG Solution set**

*Type: CR For: Approval  
 28.623 v16.9.0 CR-0139 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-215368)

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

**S5-215391 R15 CR 28533-f50 Correcting the Scope**

*Type: CR For: (not specified)  
 28.533 v15.5.0 CR-0084 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-214440)

**Decision:** The document was **revised to S5-215518**.

**S5-215518 R15 CR 28533-f50 Correcting the Scope**

*Type: CR For: -  
 28.533 v15.5.0 CR-0084 rev 2 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-215391)

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

**S5-215392 R16 CR 28533-g70 Correcting the Scope**

*Type: CR For: (not specified)  
 28.533 v16.7.0 CR-0085 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson Inc.*

(Replaces S5-214442)

**Decision:** The document was **revised to S5-215519**.

**S5-215519 R16 CR 28533-g70 Correcting the Scope**

*Type: CR For: -  
 28.533 v16.7.0 CR-0085 rev 2 Cat: A (Rel-16)  
  
 Source: Ericsson Inc.*

(Replaces S5-215392)

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

**S5-215393 R17 CR 28533-h00 Correcting the Scope**

*Type: CR For: (not specified)  
 28.533 v17.0.0 CR-0089 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-215520**.

**S5-215520 R17 CR 28533-h00 Correcting the Scope**

*Type: CR For: -  
 28.533 v17.0.0 CR-0089 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-215393)

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

**S5-215423 Rel-15 CR 28.531 Clarify and align service profile modification use case**

*Type: CR For: Approval  
 28.531 v15.9.0 CR-0090 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

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

**S5-215424 Rel-15 CR 28.531 Correct the allocate output parameters**

*Type: CR For: Approval  
 28.531 v15.9.0 CR-0091 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

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

**S5-215425 Rel-16 CR 28.531 Correct the allocate output parameters**

*Type: CR For: Approval  
 28.531 v16.11.0 CR-0092 Cat: A (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-215426 Rel-17 CR 28.531 Correct the allocate output parameters**

*Type: CR For: Approval  
 28.531 v17.1.0 CR-0093 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-215427 Rel-16 CR 28.530 Remove not used terms from abbreviations list**

*Type: CR For: Approval  
 28.530 v16.4.0 CR-0047 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-215428 Rel-17 CR 28.530 Remove not used terms from abbreviations list**

*Type: CR For: Approval  
 28.530 v17.1.0 CR-0048 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215500**.

**S5-215500 Rel-17 CR 28.530 Remove not used terms from abbreviations list**

*Type: CR For: Approval  
 28.530 v17.1.0 CR-0048 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-215428)

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

**S5-215429 Rel-16 CR 28.531 Clarify service profile modification use case**

*Type: CR For: Approval  
 28.531 v16.11.0 CR-0094 Cat: A (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-215430 Rel-17 CR 28.531 Clarify service profile modification use case**

*Type: CR For: Approval  
 28.531 v17.1.0 CR-0095 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-215432 Rel-16 CR 28.541 Correct PLMNInfoList support qualifier**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0603 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-215433 Rel-17 CR 28.541 Correct PLMNInfoList support qualifier**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0604 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-215434 Rel-16 CR 28.535 Clarify business requirements**

*Type: CR For: Approval  
 28.535 v16.4.0 CR-0058 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-215521**.

**S5-215521 Rel-16 CR 28.535 Clarify business requirements**

*Type: CR For: Approval  
 28.535 v16.4.0 CR-0058 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-215434)

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

**S5-215435 Rel-17 CR 28.535 Clarify business requirements**

*Type: CR For: (not specified)  
 28.535 v17.3.0 CR-0059 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-215522**.

**S5-215522 Rel-17 CR 28.535 Clarify business requirements**

*Type: CR For: -  
 28.535 v17.3.0 CR-0059 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-215435)

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

#### 6.4.1 Management of non-public networks

**S5-215080 pCR 28.557 Solution for management of PNI-NPN**

*Type: pCR For: Approval  
 28.557 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215639**.

**S5-215639 pCR 28.557 Solution for management of PNI-NPN**

*Type: pCR For: Approval  
 28.557 v1.0.0  
 Source: Huawei*

(Replaces S5-215080)

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

**S5-215081 pCR 28.557 Remove obsolete editor notes**

*Type: pCR For: Approval  
 28.557 v1.0.0  
 Source: Huawei*

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

**S5-215623 Latest draft TS 28.557**

*Type: draft TS For: Approval  
 28.557 v1.1.0  
 Source: Huawei*

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

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

**S5-215084 Rel-17 CR 28.541 Update latency to support UL and DL requirements**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0578 Cat: C (Rel-17)  
  
 Source: Huawei, China Mobile*

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

**S5-215085 Rel-17 CR 28.541 Align attribute names for CNSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0579 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-215185 TS 28.531 Correction of the SLA management related requirements and procedure**

*Type: CR For: (not specified)  
 28.531 v17.1.0 CR-0085 Cat: B (Rel-17)  
  
 Source: CMCC*

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

**S5-215252 Rel-17 CR 28.541 Update relationship between GST and Network Slice NRM fragment**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0587 Cat: F (Rel-17)  
  
 Source: TELEFONICA S.A.*

**Decision:** The document was **revised to S5-215649**.

**S5-215649 Rel-17 CR 28.541 Update relationship between GST and Network Slice NRM fragment**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0587 rev 1 Cat: F (Rel-17)  
  
 Source: TELEFONICA S.A.*

(Replaces S5-215252)

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

**S5-215390 Rel-17 CR 28.541 Introduce missing GST references**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0599 Cat: D (Rel-17)  
  
 Source: TELEFONICA S.A.*

**Decision:** The document was **revised to S5-215640**.

**S5-215640 Rel-17 CR 28.541 Introduce missing GST references**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0599 rev 1 Cat: D (Rel-17)  
  
 Source: TELEFONICA S.A.*

(Replaces S5-215390)

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

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

**S5-215201 Add MDT polluted measurement indication for trace record in NR**

*Type: CR For: Approval  
 32.423 v17.2.0 CR-0125 Cat: B (Rel-17)  
  
 Source: Ericsson Japan K-K*

**Decision:** The document was **revised to S5-215641**.

**S5-215641 Add MDT polluted measurement indication for trace record in NR**

*Type: CR For: Approval  
 32.423 v17.2.0 CR-0125 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson Japan K-K*

(Replaces S5-215201)

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

**S5-215214 Add new adminstrative messages in GPB trace record format**

*Type: CR For: (not specified)  
 32.423 v17.2.0 CR-0126 Cat: B (Rel-17)  
  
 Source: Ericsson Japan K-K*

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

**S5-215215 Add new requirements for throttled trace recording session**

*Type: CR For: (not specified)  
 32.421 v17.2.0 CR-0101 Cat: B (Rel-17)  
  
 Source: Ericsson Japan K-K*

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

**S5-215216 Reply LS on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions**

*Type: LS out For: (not specified)  
 to RAN3, cc RAN2  
 Source: Ericsson Japan K-K*

**Decision:** The document was **revised to S5-215493**.

#### 6.4.4 Additional NRM features

**S5-215087 Rel-17 CR TS 28.541 Add feasibility check NRM fragment**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0536 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei,China Unicom, Deutsche Telekom,China Mobile*

(Replaces S5-214200)

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

**S5-215088 Rel-17 CR TS 28.531 Update procedure of reservation and checking feasibility of network slice subnet**

*Type: CR For: Agreement  
 28.531 v17.1.0 CR-0070 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei,China Unicom,Deutsche Telekom,China Mobile*

(Replaces S5-214202)

**Abstract:**

Resubmission of S5-214202

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

**S5-215121 Rel-17 CR TS 28.541 YAML update for RRMPolicy**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0580 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-215122 Rel-17 CR TS 28.622 Add condition information for threshold monitoring**

*Type: CR For: Agreement  
 28.622 v16.9.0 CR-0119 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215123 Rel-17 CR TS 28.541 Rel-17 CR TS 28.541 Add attribute networkSliceSubnetType for NetworkSliceSubnet IOC**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0581 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215642**.

**S5-215642 Rel-17 CR TS 28.541 Rel-17 CR TS 28.541 Add attribute networkSliceSubnetType for NetworkSliceSubnet IOC**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0581 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215123)

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

**S5-215127 Rel-17 CR TS 28.658 Update the atttibute sNSSAIList to align with NR NRM**

*Type: CR For: Agreement  
 28.658 v16.4.0 CR-0055 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215186 Add maxnumber of PDU Sessions in NsacfInfoSnssai**

*Type: CR For: (not specified)  
 28.541 v17.4.0 CR-0582 Cat: C (Rel-17)  
  
 Source: CMCC*

**Decision:** The document was **revised to S5-215643**.

**S5-215643 Add maxnumber of PDU Sessions in NsacfInfoSnssai**

*Type: CR For: -  
 28.541 v17.4.0 CR-0582 rev 1 Cat: C (Rel-17)  
  
 Source: CMCC*

(Replaces S5-215186)

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

**S5-215187 Add serving area information for NSACF discovery and selection**

*Type: CR For: (not specified)  
 28.541 v17.4.0 CR-0583 Cat: C (Rel-17)  
  
 Source: CMCC*

**Decision:** The document was **revised to S5-215644**.

**S5-215644 Add serving area information for NSACF discovery and selection**

*Type: CR For: -  
 28.541 v17.4.0 CR-0583 rev 1 Cat: C (Rel-17)  
  
 Source: CMCC*

(Replaces S5-215187)

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

**S5-215188 Enhance NRM to support local NEF selection**

*Type: CR For: (not specified)  
 28.541 v17.4.0 CR-0584 Cat: C (Rel-17)  
  
 Source: CMCC*

**Decision:** The document was **revised to S5-215645**.

**S5-215645 Enhance NRM to support local NEF selection**

*Type: CR For: -  
 28.541 v17.4.0 CR-0584 rev 1 Cat: C (Rel-17)  
  
 Source: CMCC*

(Replaces S5-215188)

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

**S5-215189 Updata NRM to support EASDF**

*Type: CR For: (not specified)  
 28.541 v17.4.0 CR-0585 Cat: C (Rel-17)  
  
 Source: CMCC*

**Decision:** The document was **revised to S5-215646**.

**S5-215646 Updata NRM to support EASDF**

*Type: CR For: -  
 28.541 v17.4.0 CR-0585 rev 1 Cat: C (Rel-17)  
  
 Source: CMCC*

(Replaces S5-215189)

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

**S5-215279 Rel-17 CR TS 28.540 Add requirement to support multiple SSBs in a carrier**

*Type: CR For: Approval  
 28.540 v17.1.0 CR-0015 Cat: B (Rel-17)  
  
 Source: CALTTA*

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

**S5-215280 Discussion on support for multiple SSBs in a carrier**

*Type: discussion For: Endorsement  
 Source: CALTTA*

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

**S5-215328 Adding NRBeamCellRelation Stage 2**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0593 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

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

**S5-215348 Adding NRBeamCellRelation Stage 3**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0598 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

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

**S5-215395 Enhance 5G Core managed NF Profile NRM fragment (Stage 2)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0600 Cat: B (Rel-17)  
  
 Source: Nokia Germany, Orange, DT, Telefonica*

**Decision:** The document was **revised to S5-215487**.

**S5-215487 Enhance 5G Core managed NF Profile NRM fragment (Stage 2)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0600 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Germany, Orange, DT, Telefonica*

(Replaces S5-215395)

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

**S5-215399 5GC NRM enhancements for AMFFunction and ManagedNFProfile (Stage 3)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0601 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-215488**.

**S5-215488 5GC NRM enhancements for AMFFunction and ManagedNFProfile (Stage 3)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0601 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

(Replaces S5-215399)

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

**S5-215405 NR NRM additions to support 5GC enhancements (Stage 3)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0602 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-215489**.

**S5-215489 NR NRM additions to support 5GC enhancements (Stage 3)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0602 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

(Replaces S5-215405)

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

#### 6.4.5 Enhancement of QoE Measurement Collection

**S5-215178 Adding Signalling Based Activation for UTRAN and LTE**

*Type: CR For: Approval  
 28.405 v16.1.0 CR-0002 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-215372 Adding Managemnt Based Activation in NR**

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

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

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

**S5-215058 Correction of the typo within the update field of the “5.1.1.24.2 Average Abnormally Released Call (5QI 1 QoS Flow) Duration” measurement.**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0321 Cat: F (Rel-17)  
  
 Source: Nokia Solutions & Networks (I)*

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

**S5-215195 Rel-17 CR 28.552 Add Time-domain average Maximum Scheduled Layer Number for MIMO scenario**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0322 Cat: B (Rel-17)  
  
 Source: China Unicom, CATT, ZTE, HUAWEI, ERICSSON*

**Decision:** The document was **revised to S5-215650**.

**S5-215650 Rel-17 CR 28.552 Add Time-domain average Maximum Scheduled Layer Number for MIMO scenario**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0322 rev 1 Cat: B (Rel-17)  
  
 Source: China Unicom, CATT, ZTE, HUAWEI, ERICSSON*

(Replaces S5-215195)

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

**S5-215196 Discussion on measurement of scheduled layer number**

*Type: discussion For: Endorsement  
 28.552 v..  
 Source: China Unicom, CATT, ZTE, HUAWEI, ERICSSON*

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

**S5-215326 Add PM on Handover failures per beam related to MRO for intra-system mobility**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0323 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

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

**S5-215332 Introduction of average value of scheduled MIMO layers per PRB**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0324 Cat: B (Rel-17)  
  
 Source: CMCC, ZTE, Huawei, Ericsson*

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

**S5-215338 Discussion on Introduction of average value of scheduled MIMO layers per PRB**

*Type: discussion For: Endorsement  
 28.552 v..  
 Source: CMCC, ZTE, Huawei, Ericsson*

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

**S5-215357 Add Exception Reporting Support to PM File Format Definition**

*Type: CR For: Approval  
 32.432 v16.0.0 CR-0008 rev 2 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-214306)

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

**S5-215358 Add Exception Reporting Support to PM XML File Schema**

*Type: CR For: Approval  
 32.435 v16.0.0 CR-0011 rev 2 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-214308)

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

**S5-215359 Add Exception Reporting Support to PM XML File Schema**

*Type: CR For: Approval  
 28.532 v16.9.0 CR-0177 rev 2 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-214310)

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

**S5-215382 CR Rel-17 28.552 Add measurements related to AM policy authorization for PCF**

*Type: CR For: Agreement  
 28.552 v17.4.0 CR-0329 Cat: B (Rel-17)  
  
 Source: Intel Belgium SA/NV*

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

**S5-215383 CR Rel-17 28.552 Add measurements related to SM policy authorization for PCF**

*Type: CR For: Agreement  
 28.552 v17.4.0 CR-0330 Cat: B (Rel-17)  
  
 Source: Intel Belgium SA/NV*

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

**S5-215384 CR Rel-17 28.552 Add measurements related to event exposure for PCF**

*Type: CR For: Agreement  
 28.552 v17.4.0 CR-0331 Cat: B (Rel-17)  
  
 Source: Intel Belgium SA/NV*

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

#### 6.4.7 Management of the enhanced tenant concept

**S5-215089 Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0538 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-214218)

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

**S5-215264 Rel-17 Discussion Isolation level**

*Type: discussion For: Endorsement  
 Source: Huawei*

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

**S5-215418 DP tenant representation in 3GPP management system**

*Type: discussion For: Discussion  
 28.541 v..  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-213134)

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

**S5-215436 Rel-16 CR 28.530 Correct tenant phrasing**

*Type: CR For: Approval  
 28.530 v16.4.0 CR-0049 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

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

**S5-215437 Rel-17 CR 28.530 Correct tenant phrasing**

*Type: CR For: Approval  
 28.530 v17.1.0 CR-0050 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

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

**S5-215438 Rel-16 CR 28.541 Clarify tenant relationship with serviceProfileId**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0605 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

**Decision:** The document was **revised to S5-215490**.

**S5-215490 Rel-16 CR 28.541 Clarify tenant relationship with serviceProfileId**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0605 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

(Replaces S5-215438)

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

**S5-215439 Rel-17 CR 28.541 Clarify tenant relationship with serviceProfileId**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0606 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

**Decision:** The document was **revised to S5-215491**.

**S5-215491 Rel-17 CR 28.541 Clarify tenant relationship with serviceProfileId**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0606 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom AG, Huawei*

(Replaces S5-215439)

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

#### 6.4.8 Management data collection control and discovery

**S5-215092 Rel-17 InputToDraftCR 28.537 Targeted management data collection**

*Type: other For: Agreement  
 28.537 v..  
 Source: Samsung Research America*

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

**S5-215100 Rel-17 InputToDraftCR 28.622 ManagementDataCollectionJob.docx**

*Type: other For: Agreement  
 28.622 v..  
 Source: Samsung Research America*

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

**S5-215251 Rel-17 Input to DraftCR 28.622 Add data collection job to allow consumers without detailed knowledge of the network to request for data**

*Type: draftCR For: Approval  
 28.622 v16.9.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215253 Simplified Request for Management Data Collection**

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

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

**S5-215273 Rel-17 draftCR 28.537 Add requirements for data management**

*Type: draftCR For: Approval  
 28.537 v17.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215362 Rel-17 Input to DraftCR 28.537 Add requirements for managing external management data**

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

(Replaces S5-213211)

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

**S5-215363 Rel-17 Input to DraftCR 28.537 Add requirements for context data**

*Type: other For: Approval  
 28.622 v..  
 Source: Nokia, Nokia Shanghai ell*

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

**S5-215364 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*

(Replaces S5-214384)

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

**S5-215365 Rel-17 Input to DraftCR 28.622 Add solution for reporting and storing data**

*Type: other For: (not specified)  
 28.622 v..  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215394 Input to Draft CR 28.622 Define solution for data discovery**

*Type: draftCR For: Approval  
 28.622 v16.9.0  
 Source: Ericsson Telecomunicazioni SpA*

**Abstract:**

Add data discovery solution to NRM

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

**S5-215396 Input to Draft CR 28.537 Define solution for data discovery**

*Type: draftCR For: Approval  
 28.537 v17.1.0  
 Source: Ericsson Telecomunicazioni SpA*

**Decision:** The document was **revised to S5-215492**.

**S5-215492 Input to Draft CR 28.537 Define solution for data discovery**

*Type: draftCR For: Approval  
 28.537 v17.1.0  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S5-215396)

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

#### 6.4.9 Autonomous network levels

**S5-215124 pCR TS 28.100 update generic MnS requirements and solutions for network optimization**

*Type: pCR For: Approval  
 28.100 v0.6.0  
 Source: Huawei,China Mobile,China Unicom,AsiaInfo*

**Decision:** The document was **revised to S5-215535**.

**S5-215535 pCR TS 28.100 update generic MnS requirements and solutions for network optimization**

*Type: pCR For: Approval  
 28.100 v0.6.0  
 Source: Huawei,China Mobile,China Unicom,AsiaInfo*

(Replaces S5-215124)

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

**S5-215125 pCR TS 28.100 update generic MnS requirements and solutions for RAN NE deployment**

*Type: pCR For: Approval  
 28.100 v0.6.0  
 Source: Huawei,China Mobile,China Unicom,AsiaInfo*

**Decision:** The document was **revised to S5-215536**.

**S5-215536 pCR TS 28.100 update generic MnS requirements and solutions for RAN NE deployment**

*Type: pCR For: Approval  
 28.100 v0.6.0  
 Source: Huawei,China Mobile,China Unicom,AsiaInfo*

(Replaces S5-215125)

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

**S5-215157 pCR TS 28.100 Add autonomous network level for service experience optimization**

*Type: pCR For: Approval  
 28.100 v0.6.0  
 Source: Huawei*

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

**S5-215166 pCR TS 28.100 update the description for generic functional requirements**

*Type: pCR For: Approval  
 28.100 v0.6.0  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom*

**Decision:** The document was **revised to S5-215537**.

**S5-215537 pCR TS 28.100 update the description for generic functional requirements**

*Type: pCR For: Approval  
 28.100 v0.6.0  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom*

(Replaces S5-215166)

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

**S5-215167 pCR TS 28.100 update generic MnS requirements and solutions for fault management**

*Type: pCR For: Approval  
 28.100 v0.6.0  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom*

**Decision:** The document was **revised to S5-215538**.

**S5-215538 pCR TS 28.100 update generic MnS requirements and solutions for fault management**

*Type: pCR For: Approval  
 28.100 v0.6.0  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom*

(Replaces S5-215167)

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

**S5-215168 pCR TS 28.100 rapporteur clean up**

*Type: pCR For: Approval  
 28.100 v0.6.0  
 Source: China Mobile*

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

**S5-215169 LS to ITU-T SG2 on autonomous network levels**

*Type: LS out For: Approval  
 to ITU-T SG2, cc 3GPP TSG SA  
 Source: China Mobile*

**Decision:** The document was **revised to S5-215539**.

**S5-215539 LS to ITU-T SG2 on autonomous network levels**

*Type: LS out For: Approval  
 to ITU-T SG2, cc 3GPP TSG SA  
 Source: China Mobile*

(Replaces S5-215169)

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

**S5-215255 pCR 28.100 Add generic autonomous network level for 5GC NF deployment**

*Type: pCR For: Approval  
 28.100 v0.6.0  
 Source: Huawei, China Mobile*

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

**S5-215624 Latest draft TS 28.100**

*Type: draft TS For: Approval  
 28.100 v0.7.0  
 Source: China Mobile*

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

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

**S5-215093 Discussion on operations and intent models for intent driven management**

*Type: discussion For: Endorsement  
 28.312 v..  
 Source: Huawei, China Telecom, AsiaInfo, China Mobile,China Unicom*

(Replaces S5-214211)

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

**S5-215094 pCR TS 28.312 Update intent information model**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Huawei, China Telecom, China Mobile,AsiaInfo*

(Replaces S5-214212)

**Decision:** The document was **revised to S5-215540**.

**S5-215540 pCR TS 28.312 Update intent information model**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Huawei, China Telecom, China Mobile,AsiaInfo*

(Replaces S5-215094)

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

**S5-215095 pCR TS 28.312 Add concrete RadioNetworkExpectation**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Huawei, China Telecom, China Mobile, China Unicom*

(Replaces S5-214213)

**Decision:** The document was **revised to S5-215541**.

**S5-215541 pCR TS 28.312 Add concrete RadioNetworkExpectation**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Huawei, China Telecom, China Mobile, China Unicom*

(Replaces S5-215095)

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

**S5-215097 pCR TS 28.312 Add concrete RadioServiceExpectation**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Huawei, China Telecom, China Mobile, China Unicom*

(Replaces S5-214214)

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

**S5-215098 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*

(Replaces S5-214215)

**Decision:** The document was **revised to S5-215542**.

**S5-215542 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*

(Replaces S5-215098)

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

**S5-215116 pCR 28.312 ServiceDeploymentExpectation Datatype definition**

*Type: pCR For: Agreement  
 28.312 v0.5.0  
 Source: Samsung Research America*

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

**S5-215153 TD on related concept of intent**

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

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

**S5-215182 Add intent database query requirements for use cases of intent driven management**

*Type: pCR For: (not specified)  
 28.312 v0.5.0  
 Source: CMCC*

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

**S5-215183 Add judge requirements for use cases of intent driven management**

*Type: pCR For: (not specified)  
 28.312 v0.5.0  
 Source: CMCC*

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

**S5-215184 TS 28.312 Add relationInfo for intent management**

*Type: pCR For: (not specified)  
 28.312 v0.5.0  
 Source: CMCC*

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

**S5-215284 Discussion on Intent Model**

*Type: discussion For: Endorsement  
 Source: Nokia Germany*

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

**S5-215285 Description of Information Elements of an Intent**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Nokia Germany*

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

**S5-215286 Extend Attributes of the Intent IOC**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Nokia Germany*

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

**S5-215367 pCR TS 28.312 Add subsequence procedure after the intent MOI created**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: AsiaInfo Technologies Inc,huawei*

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

**S5-215369 pCR TS 28.312 Add procedure of query an intent MOI**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: AsiaInfo Technologies Inc,huawei*

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

**S5-215398 Align content with the definition of Intent**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-215400 Add definitions around Intent LCM**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Ericsson Telecomunicazioni SpA*

**Decision:** The document was **revised to S5-215654**.

**S5-215654 Add definitions around Intent LCM**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S5-215400)

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

**S5-215403 Update intent information model**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-215625 Latest draft TS 28.312**

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

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

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

**S5-215074 pCR 28.556 Add informaiton model definition entities fo Policy**

*Type: pCR For: (not specified)  
 28.556 v0.3.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215543**.

**S5-215543 pCR 28.556 Add informaiton model definition entities fo Policy**

*Type: pCR For: -  
 28.556 v0.3.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-215074)

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

**S5-215075 pCR 28.556 Add class diagram**

*Type: pCR For: (not specified)  
 28.556 v0.3.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215544**.

**S5-215544 pCR 28.556 Add class diagram**

*Type: pCR For: -  
 28.556 v0.3.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-215075)

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

**S5-215076 pCR 28.556 Add class definition**

*Type: pCR For: (not specified)  
 28.556 v0.3.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215545**.

**S5-215545 pCR 28.556 Add class definition**

*Type: pCR For: -  
 28.556 v0.3.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-215076)

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

**S5-215077 pCR 28.556 Add Information attribute definitions**

*Type: pCR For: (not specified)  
 28.556 v0.3.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215546**.

**S5-215546 pCR 28.556 Add Information attribute definitions**

*Type: pCR For: -  
 28.556 v0.3.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-215077)

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

**S5-215626 Latest draft TS 28.556**

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

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

#### 6.4.12 Enhanced Closed loop SLS Assurance

**S5-215096 Rel-17 CR 28.536 Focused ACCL**

*Type: CR For: Agreement  
 28.536 v17.0.0 CR-0035 Cat: B (Rel-17)  
  
 Source: Samsung Research America*

**Decision:** The document was **revised to S5-215652**.

**S5-215652 Rel-17 CR 28.536 Focused ACCL**

*Type: CR For: Agreement  
 28.536 v17.0.0 CR-0035 rev 1 Cat: B (Rel-17)  
  
 Source: Samsung Research America*

(Replaces S5-215096)

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

**S5-215108 DP on assurance report for closed control loop**

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

**Decision:** The document was **revised to S5-215549**.

**S5-215549 DP on assurance report for closed control loop**

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

(Replaces S5-215108)

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

**S5-215112 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 **revised to S5-215550**.

**S5-215550 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*

(Replaces S5-215112)

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

**S5-215113 DP on coordination between closed control loop**

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

**Decision:** The document was **revised to S5-215551**.

**S5-215551 DP on coordination between closed control loop**

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

(Replaces S5-215113)

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

**S5-215114 Rel-17 Input to draftCR S5-212397 TS 28.535 Update coordination between closed control loops**

*Type: draftCR For: Agreement  
 28.535 v17.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215552**.

**S5-215552 Rel-17 Input to draftCR S5-212397 TS 28.535 Update coordination between closed control loops**

*Type: draftCR For: Agreement  
 28.535 v17.3.0  
 Source: Huawei*

(Replaces S5-215114)

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

**S5-215126 Rel-17 CR TS 28.536 Update the definition for attribute observationTime**

*Type: CR For: Agreement  
 28.536 v17.0.0 CR-0036 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215548**.

**S5-215548 Rel-17 CR TS 28.536 Update the definition for attribute observationTime**

*Type: CR For: Agreement  
 28.536 v17.0.0 CR-0036 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215126)

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

**S5-215278 eCOSLA for creating closed loops**

*Type: discussion For: Endorsement  
 28.535 v..  
 Source: Nokia Germany*

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

**S5-215410 Input to draftCR 28.536 Add support for pause point**

*Type: draftCR For: Approval  
 28.536 v17.0.0  
 Source: Lenovo, Motorola Mobility*

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

**S5-215622 DraftCR for eCOSLA - TS 28.535**

*Type: draftCR For: Approval  
 28.535 v17.3.0  
 Source: Ericsson*

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

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

**S5-215059 Rel-16 CR 28.313 correction for self-configuration Figure title**

*Type: CR For: Approval  
 28.313 v16.1.0 CR-0031 Cat: F (Rel-16)  
  
 Source: Oy LM Ericsson AB*

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

**S5-215060 Rel-17 CR 28.313 correction for self-configuration Figure title**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0032 Cat: A (Rel-17)  
  
 Source: Oy LM Ericsson AB*

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

**S5-215061 Rel-17 CR 28.313 add RRM related measurements information**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0033 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-215655**.

**S5-215655 Rel-17 CR 28.313 add RRM related measurements information**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0033 rev 1 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-215061)

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

**S5-215062 Rel-17 draft CR 28.313 Add D-LBO and C-LBO procedures**

*Type: draftCR For: Approval  
 28.313 v17.2.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-215547**.

**S5-215547 Rel-17 draft CR 28.313 Add D-LBO and C-LBO procedures**

*Type: draftCR For: Approval  
 28.313 v17.2.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-215062)

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

**S5-215063 Rel-17 CR 28.313 Add Stage 2 solutions to support D-LBO**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0034 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-215064 Rel-17 CR 28.541 Add Stage 2 solutions to support D-LBO**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0576 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-215553**.

**S5-215553 Rel-17 CR 28.541 Add Stage 2 solutions to support D-LBO**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0576 rev 1 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-215064)

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

**S5-215065 Rel-17 CR 28.541 Add Stage 3 solutions to support D-LBO**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0577 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-215656**.

**S5-215656 Rel-17 CR 28.541 Add Stage 3 solutions to support D-LBO**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0577 rev 1 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-215065)

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

**S5-215066 Rel-16 CR 28.541 Add sonFunction attribute in notification**

*Type: CR For: Approval  
 28.532 v16.9.0 CR-0186 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-215067 Rel-17 CR 28.313 Add notifications to D-SON functions of MRO and PCI re-configuration**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0035 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-215554**.

**S5-215554 Rel-17 CR 28.313 Add notifications to D-SON functions of MRO and PCI re-configuration**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0035 rev 1 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-215067)

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

**S5-215211 Rel-17 CR 28.313 Add C-SON CCO control information**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0036 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215212 Rel-17 CR 28.541 Add C-SON CCO NRM model**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0586 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215651 DraftCR for eSON\_5G – TS 28.313**

*Type: draftCR For: Approval  
 28.313 v17.2.0  
 Source: Intel*

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

#### 6.4.14 Enhancement of Handover Optimization

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

**S5-215048 Rel-17 CR TS 28.554 Add definition of ECns**

*Type: CR For: Agreement  
 28.554 v17.4.0 CR-0086 Cat: B (Rel-17)  
  
 Source: Orange, Huawei*

**Decision:** The document was **revised to S5-215555**.

**S5-215555 Rel-17 CR TS 28.554 Add definition of ECns**

*Type: CR For: Agreement  
 28.554 v17.4.0 CR-0086 rev 1 Cat: B (Rel-17)  
  
 Source: Orange, Huawei*

(Replaces S5-215048)

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

**S5-215078 Rel-17 CR 28.310 Update clause 6.2 for energy saving**

*Type: CR For: Approval  
 28.310 v17.2.0 CR-0018 Cat: C (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215556**.

**S5-215556 Rel-17 CR 28.310 Update clause 6.2 for energy saving**

*Type: CR For: Approval  
 28.310 v17.2.0 CR-0018 rev 1 Cat: C (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215078)

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

**S5-215079 Rel-17 CR 28.554 Add Energy Consumption KPI for NG-RAN**

*Type: CR For: Approval  
 28.554 v17.4.0 CR-0087 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215557**.

**S5-215557 Rel-17 CR 28.554 Add Energy Consumption KPI for NG-RAN**

*Type: CR For: Approval  
 28.554 v17.4.0 CR-0087 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215079)

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

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

**S5-215055 DraftCR for 5GDMS - TS 28.533**

*Type: draftCR For: Approval  
 28.533 v17.0.0  
 Source: Huawei*

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

**S5-215056 DraftCR for 5GDMS - TS 28.622**

*Type: draftCR For: Approval  
 28.622 v16.9.0  
 Source: Huawei*

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

**S5-215057 DraftCR for 5GDMS - TS 28.623**

*Type: draftCR For: Approval  
 28.623 v16.9.0  
 Source: Huawei*

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

**S5-215262 Rel-17 Input to Draft CR 28.622 Add management service type definition**

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

**Decision:** The document was **revised to S5-215558**.

**S5-215558 Rel-17 Input to Draft CR 28.622 Add management service type definition**

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

(Replaces S5-215262)

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

**S5-215263 Rel-17 Input to Draft CR 28.623 Add management service type definition**

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

**Decision:** The document was **revised to S5-215559**.

**S5-215559 Rel-17 Input to Draft CR 28.623 Add management service type definition**

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

(Replaces S5-215263)

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

**S5-215440 Rel-17 CR TS28.537 clarifications into existing use cases**

*Type: CR For: Agreement  
 28.537 v17.1.0 CR-0007 Cat: C (Rel-17)  
  
 Source: NEC Corporation*

**Decision:** The document was **revised to S5-215560**.

**S5-215560 Rel-17 CR TS28.537 clarifications into existing use cases**

*Type: CR For: Agreement  
 28.537 v17.1.0 CR-0007 rev 1 Cat: C (Rel-17)  
  
 Source: NEC Corporation*

(Replaces S5-215440)

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

**S5-215531 Rel-17 CR 28.533 Remove MnS Discovery use case and requirement**

*Type: CR For: Agreement  
 28.533 v17.0.0 CR-0090 Cat: C (Rel-17)  
  
 Source: Huawei*

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

**S5-215532 Rel-17 CR 28.622 Add support for MnS Discovery**

*Type: CR For: discussion  
 28.622 v16.9.0 CR-0122 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215533 Rel-17 CR 28.622 Add support for MnS Discovery**

*Type: CR For: discussion  
 28.623 v16.9.0 CR-0140 Cat: B (Rel-17)  
  
 Source: Huawei*

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

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

**S5-215347 RAN Sharing NRM support for MOCN**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0468 rev 2 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212270)

**Decision:** The document was **revised to S5-215534**.

**S5-215534 RAN Sharing NRM support for MOCN**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0468 rev 3 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-215347)

**Discussion:**

The Chair declared that this CR was agreed as a Working Agreement. The 3GPP website was updated with this information, and in case that this decision was challenged the technical vote would take place in the next SA5 e-meeting.

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

#### 6.4.18 Enhancements of Management Data Analytics Service

**S5-215150 Add description of fault prediction analysis**

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

**Decision:** The document was **revised to S5-215637**.

**S5-215637 Add description of fault prediction analysis**

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

(Replaces S5-215150)

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

**S5-215151 Add alarm related incident analysis use case**

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

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

**S5-215158 pCR 28.104 Add E2E latency analysis\_CMT**

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

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

**S5-215159 pCR 28.104 Add service experience analysis**

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

**Decision:** The document was **revised to S5-215653**.

**S5-215653 pCR 28.104 Add service experience analysis**

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

(Replaces S5-215159)

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

**S5-215161 pCR 28.104 Add network slice throughput analysis**

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

**Decision:** The document was **revised to S5-215659**.

**S5-215659 pCR 28.104 Add network slice throughput analysis**

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

(Replaces S5-215161)

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

**S5-215162 pCR 28.104 Add MDA common attributes**

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

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

**S5-215197 pCR 28.104 Paging Optimization usecase and requirements**

*Type: pCR For: Agreement  
 28.104 v0.1.0  
 Source: Samsung Research America*

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

**S5-215198 pCR 28.104 Traffic Projection usecase and requirements**

*Type: pCR For: Agreement  
 28.104 v0.1.0  
 Source: Samsung Research America*

**Decision:** The document was **revised to S5-215561**.

**S5-215561 pCR 28.104 Traffic Projection usecase and requirements**

*Type: pCR For: Agreement  
 28.104 v0.1.0  
 Source: Samsung Research America*

(Replaces S5-215198)

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

**S5-215199 pCR 28.104 HO Optimization usecase and requirements**

*Type: pCR For: Agreement  
 28.104 v0.1.0  
 Source: Samsung Research America*

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

**S5-215200 pCR 28.104 Software Management usecase and requirements**

*Type: pCR For: Agreement  
 28.104 v0.1.0  
 Source: Samsung Research America*

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

**S5-215202 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**.

**S5-215203 Rel-17 PCR TS 28.104 Add alarm incident analysis use case requirement**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-215204 Rel-17 PCR TS 28.104 Add alarm incident analysis solution**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-215205 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**.

**S5-215206 Rel-17 PCR TS 28.104 add mobility management use case requirement**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-215207 Rel-17 PCR TS 28.104 add Generic MDA management workflow**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-215208 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**.

**S5-215209 pCR Add structure for TS 28.104**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-215210 Discussion on the skeleton of TS 28.104**

*Type: discussion For: Approval  
 28.104 v..  
 Source: Huawei*

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

**S5-215217 Rel-17 pCR TS 28.104 add MDA assisted Energy Saving use case**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-215265 pCR 28.104 MDA role in cross-domain service assurance**

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

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

**S5-215266 pCR 28.104 Add example of MDA producers and consumers**

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

**Decision:** The document was **revised to S5-215638**.

**S5-215638 pCR 28.104 Add example of MDA producers and consumers**

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

(Replaces S5-215266)

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

**S5-215274 Add MDA Reporting Control**

*Type: pCR For: Approval  
 28.104 v0.1.0  
 Source: Nokia Germany*

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

**S5-215275 Add MDA Reporting**

*Type: pCR For: Approval  
 28.104 v0.1.0  
 Source: Nokia Germany*

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

**S5-215276 Add MDA Production and Reporting Overview**

*Type: pCR For: Approval  
 28.104 v0.1.0  
 Source: Nokia Germany*

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

**S5-215327 pCR draft TS28.104, add use case and requirements for MDA historical data**

*Type: pCR For: Approval  
 28.104 v0.1.0  
 Source: NEC, Intel*

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

**S5-215354 pCR TS28.104 add use case for MDA assisted Energy Saving analysis**

*Type: pCR For: Approval  
 28.104 v0.1.0  
 Source: AsiaInfo Technologies Inc*

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

**S5-215366 Discussion paper on MDA assisted energy saving to provide energySaving state information in output**

*Type: discussion For: (not specified)  
 Source: China Telecom, AsiaInfo*

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

**S5-215373 Discussion paper on MDA assisted energy saving to provide necessary information in output**

*Type: discussion For: (not specified)  
 Source: China Telecom, AsiaInfo*

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

**S5-215377 Discussion paper on necessary inputs and outputs for MDA assisted energy saving analysis**

*Type: discussion For: (not specified)  
 Source: China Telecom, AsiaInfo*

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

**S5-215378 pCR Add structure for TS 28.104**

*Type: pCR For: Approval  
 28.104 v0.1.0  
 Source: Intel, NEC, China Telecom, China Mobile*

**Decision:** The document was **revised to S5-215657**.

**S5-215657 pCR Add structure for TS 28.104**

*Type: pCR For: Approval  
 28.104 v0.1.0  
 Source: Intel, NEC, China Telecom, China Mobile*

(Replaces S5-215378)

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

**S5-215379 pCR 28.104 Add MDA capability for coverage problem analysis**

*Type: pCR For: Approval  
 28.104 v0.1.0  
 Source: Intel, NEC*

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

**S5-215380 pCR 28.104 Add ML support for MDA**

*Type: pCR For: Approval  
 28.104 v0.1.0  
 Source: Intel*

**Decision:** The document was **revised to S5-215658**.

**S5-215658 pCR 28.104 Add ML support for MDA**

*Type: pCR For: Approval  
 28.104 v0.1.0  
 Source: Intel*

(Replaces S5-215380)

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

**S5-215381 pCR 28.104 Add common information elements of analytics outputs**

*Type: pCR For: Approval  
 28.104 v0.1.0  
 Source: Intel, NEC, China Telecom*

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

**S5-215627 Latest draft TS 28.104**

*Type: draft TS For: Approval  
 28.104 v0.2.0  
 Source: Intel*

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

#### 6.4.19 Plug and connect support for management of Network Functions

**S5-215038 pCR 28.314 PnC Concepts and Requirements - BusinessRequirements**

*Type: pCR For: (not specified)  
 28.314 v0.2.0  
 Source: Oy LM Ericsson AB*

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

**S5-215039 pCR 28.314 PnC Concepts and Requirements - SpecificationRequirements**

*Type: pCR For: (not specified)  
 28.314 v0.2.0  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-215562**.

**S5-215562 pCR 28.314 PnC Concepts and Requirements - SpecificationRequirements**

*Type: pCR For: -  
 28.314 v0.2.0  
 Source: Oy LM Ericsson AB*

(Replaces S5-215039)

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

**S5-215040 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 **revised to S5-215563**.

**S5-215563 pCR 28.315 PnC Procedure flows - full spec**

*Type: pCR For: Approval  
 28.315 v0.1.0  
 Source: Oy LM Ericsson AB*

(Replaces S5-215040)

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

**S5-215041 Rel-17 CR 28.313 remove plug and connect procedure**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0030 Cat: C (Rel-17)  
  
 Source: Oy LM Ericsson AB*

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

**S5-215101 Rel-17 CR TS 28.313 Update procedures for plug and connect to management system**

*Type: CR For: Agreement  
 28.313 v17.2.0 CR-0029 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei, China Telecom*

(Replaces S5-214216)

**Abstract:**

Resubmission of S5-214216

**Decision:** The document was **revised to S5-215564**.

**S5-215564 Rel-17 CR TS 28.313 Update procedures for plug and connect to management system**

*Type: CR For: Agreement  
 28.313 v17.2.0 CR-0029 rev 2 Cat: B (Rel-17)  
  
 Source: Huawei, China Telecom*

(Replaces S5-215101)

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

**S5-215102 pCR TS 28.315 Add procedures flows for RAN NE PnC**

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

(Replaces S5-214217)

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

**S5-215628 Latest draft TS 28.314**

*Type: draft TS For: Approval  
 28.314 v0.3.0  
 Source: Ericsson*

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

**S5-215629 Latest draft TS 28.315**

*Type: draft TS For: Approval  
 28.315 v0.2.0  
 Source: Ericsson*

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

#### 6.4.20 File Management

**S5-215360 Rel-17 Input to DraftCR 28.622 Amend file retrieval NRM fragment**

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

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

**S5-215361 Rel-17 Input to DraftCR 28.622 Add file download control NRM fragment**

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

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

#### 6.4.21 Edge Computing Management

**S5-215136 pCR 28.538 EASFunction definition**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

**Decision:** The document was **revised to S5-215565**.

**S5-215565 pCR 28.538 EASFunction definition**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

(Replaces S5-215136)

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

**S5-215139 pCR 28.538 Fixing EASRequirement Arrowhead**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

**Decision:** The document was **revised to S5-215566**.

**S5-215566 pCR 28.538 Fixing EASRequirement Arrowhead**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

(Replaces S5-215139)

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

**S5-215141 pCR 28.538 EESFunction definition**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

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

**S5-215144 pCR 28.538 ECSFunction definition**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

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

**S5-215145 pCR 28.538 EES Lifecycle Management usecase and requirements**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

**Decision:** The document was **revised to S5-215568**.

**S5-215568 pCR 28.538 EES Lifecycle Management usecase and requirements**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

(Replaces S5-215145)

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

**S5-215146 pCR 28.538 ECS Lifecycle Management usecase and requirements**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

**Decision:** The document was **revised to S5-215569**.

**S5-215569 pCR 28.538 ECS Lifecycle Management usecase and requirements**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

(Replaces S5-215146)

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

**S5-215147 pCR 28.538 Using DNFuncton for EDN**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

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

**S5-215148 pCR 28.538 Defining EdgeDataNetwork for EDN**

*Type: pCR For: Agreement  
 28.538 v0.2.0  
 Source: Samsung Research America*

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

**S5-215149 DP on modelling of EDN**

*Type: other For: Endorsement  
 28.538 v..  
 Source: Samsung Research America*

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

**S5-215190 Rel-17 CR 28.532 Enhance creatMOI, deleteMOI, and notifications to support asynchronous mode**

*Type: CR For: Approval  
 28.532 v16.9.0 CR-0191 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-215191 pCR 28.538 add procedures for EAS LCM**

*Type: pCR For: Approval  
 28.538 v0.2.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-215570**.

**S5-215570 pCR 28.538 add procedures for EAS LCM**

*Type: pCR For: Approval  
 28.538 v0.2.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-215191)

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

**S5-215192 pCR 28.538 add use cases and requirements for EAS and 5GC NF performance assurance**

*Type: pCR For: Approval  
 28.538 v0.2.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-215193 pCR 28.538 add procedures for EAS EAS and 5GC NF performance assurance**

*Type: pCR For: Approval  
 28.538 v0.2.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-215571**.

**S5-215571 pCR 28.538 add procedures for EAS EAS and 5GC NF performance assurance**

*Type: pCR For: Approval  
 28.538 v0.2.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-215193)

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

**S5-215267 pCR 28.538 add ECSFunction IOC**

*Type: pCR For: Approval  
 28.538 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215567**.

**S5-215567 pCR 28.538 add ECSFunction IOC**

*Type: pCR For: Approval  
 28.538 v0.2.0  
 Source: Huawei*

(Replaces S5-215267)

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

**S5-215268 pCR 28.538 lifecycle management requirement for ECS**

*Type: pCR For: Approval  
 28.538 v0.2.0  
 Source: Huawei*

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

**S5-215269 pCR 28.538 add transport view from EDN to 5GC**

*Type: pCR For: Approval  
 28.538 v0.2.0  
 Source: Huawei*

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

**S5-215270 Rel17 CR 28.541 Adding transport view NRM from 5GC to EDN**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0592 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215630 Latest draft TS 28.538**

*Type: draft TS For: Approval  
 28.538 v0.3.0  
 Source: Samsung*

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

#### 6.4.22 Improved support for NSA in the service-based management architecture

**S5-215110 YANG Solution Set for Inventory Management**

*Type: CR For: Approval  
 28.633 v16.0.0 CR-0009 Cat: B (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-215128 Rel-17 CR TS 28.658 Align the attribute table with the latest template**

*Type: CR For: Agreement  
 28.658 v16.4.0 CR-0056 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215129 Rel-17 CR TS 28.658 Update the scope to be applicable for SBMA**

*Type: CR For: Agreement  
 28.658 v16.4.0 CR-0057 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215130 Rel-17 CR TS 28.622 Update the scope to be applicable for SBMA**

*Type: CR For: Agreement  
 28.622 v16.9.0 CR-0120 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215131 Rel-17 CR TS 28.662 Update the scope to be applicable for SBMA**

*Type: CR For: Agreement  
 28.662 v16.0.0 CR-0011 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215132 Rel-17 CR TS 28.659 Provide YAML solution set for EUTRAN NRM**

*Type: CR For: Agreement  
 28.659 v16.2.0 CR-0039 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215133 Rel-17 CR TS 28.663 Provide YAML solution set for RAN NRM**

*Type: CR For: Agreement  
 28.663 v16.0.0 CR-0021 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-215160 Mapping SupportIOCs to YANG**

*Type: CR For: Approval  
 32.160 v17.3.0 CR-0024 Cat: C (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-215163 Add new common types for YANG**

*Type: CR For: Approval  
 28.623 v16.9.0 CR-0138 Cat: B (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-215572**.

**S5-215572 Add new common types for YANG**

*Type: CR For: Approval  
 28.623 v16.9.0 CR-0138 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-215163)

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

**S5-215194 YANG Solution Set for Generic Radio Access Network NRM**

*Type: CR For: Approval  
 28.663 v16.0.0 CR-0022 Cat: B (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

#### 6.4.23 Access control for management service

**S5-215220 enhance SBMA to support access control**

*Type: CR For: Agreement  
 28.533 v17.0.0 CR-0087 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215221 enhance request-response communication paradigm to support access contro**

*Type: CR For: Agreement  
 28.533 v17.0.0 CR-0088 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215222 enhance generic NRM to support authentication of MnS consumer, stage 2**

*Type: draftCR For: Agreement  
 28.622 v16.9.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215223 enhance generic NRM to support authentication of MnS consumer, stage 3**

*Type: draftCR For: Agreement  
 28.623 v16.9.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215224 enhance generic management service to support authentication of MnS consumer, stage 2**

*Type: draftCR For: Agreement  
 28.532 v16.9.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215225 enhance generic management service to support authentication of MnS consumer, stage 3**

*Type: other For: Agreement  
 28.532 v..  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-215226 TD enhance management service to support authentication**

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

**Decision:** The document was **revised to S5-215573**.

**S5-215573 TD enhance management service to support authentication**

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

(Replaces S5-215226)

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

#### 6.5.1 Study on new aspects of EE for 5G networks

**S5-215049 pCR TR 28.813 Address Edithelp comments**

*Type: pCR For: Approval  
 28.813 v1.1.1  
 Source: Orange*

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

**S5-215050 pCR TR 28.813 Reshape Potential Solution #2 of KI#2**

*Type: pCR For: Approval  
 28.813 v1.1.1  
 Source: Orange*

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

**S5-215051 pCR TR 28.813 Remove FFS from Potential Solution #3 of KI#2**

*Type: pCR For: Approval  
 28.813 v1.1.1  
 Source: Orange*

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

**S5-215052 pCR TR 28.813 Remove editor’s note from clause 4.4.1**

*Type: pCR For: Approval  
 28.813 v1.1.1  
 Source: Orange*

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

**S5-215053 pCR TR 28.813 Add conclusion to KI#5**

*Type: pCR For: Approval  
 28.813 v1.1.1  
 Source: Orange*

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

**S5-215054 pCR TR 28.813 Add conclusion to KI#9**

*Type: pCR For: Approval  
 28.813 v1.1.1  
 Source: Orange*

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

**S5-215156 pCR TR 28.813 Key Issue 7-Area based energy efficiency improvement**

*Type: pCR For: Approval  
 28.813 v1.1.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-215574**.

**S5-215574 pCR TR 28.813 Key Issue 7-Area based energy efficiency improvement**

*Type: pCR For: Approval  
 28.813 v1.1.1  
 Source: Huawei*

(Replaces S5-215156)

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

**S5-215375 pCR 28.813 Add conclusion to Key Issue #2a**

*Type: pCR For: (not specified)  
 28.813 v1.1.1  
 Source: China Telecom*

**Decision:** The document was **revised to S5-215575**.

**S5-215575 pCR 28.813 Add conclusion to Key Issue #2a**

*Type: pCR For: -  
 28.813 v1.1.1  
 Source: China Telecom*

(Replaces S5-215375)

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

**S5-215441 pCR 28.813 conclusion for KI 2a**

*Type: pCR For: Approval  
 28.813 v1.1.1  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

This contribution conclude the KI#2a on Resource Efficiency KPI for 5GC

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

**S5-215631 Latest draft TR 28.813**

*Type: draft TR For: Approval  
 28.813 v1.2.0  
 Source: Orange*

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

#### 6.5.2 Study on network slice management enhancement (revised to include security aspects)

**S5-215271 pCR 28.811 Improvement of requirements**

*Type: pCR For: Approval  
 28.811 v0.6.0  
 Source: Huawei*

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

**S5-215272 pCR 28.811 RAN sharing solutions**

*Type: pCR For: Approval  
 28.811 v0.6.0  
 Source: Huawei, Ericsson*

**Decision:** The document was **revised to S5-215576**.

**S5-215576 pCR 28.811 RAN sharing solutions**

*Type: pCR For: Approval  
 28.811 v0.6.0  
 Source: Huawei, Ericsson*

(Replaces S5-215272)

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

**S5-215355 pCR Solutions and Recommendations for RAN Sharing Scenario**

*Type: pCR For: Approval  
 28.811 v0.6.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215577**.

**S5-215577 pCR Solutions and Recommendations for RAN Sharing Scenario**

*Type: pCR For: Approval  
 28.811 v0.6.0  
 Source: Ericsson LM*

(Replaces S5-215355)

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

**S5-215632 Latest draft TR 28.811**

*Type: draft TR For: Approval  
 28.811 v0.7.0  
 Source: Huawei*

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

#### 6.5.3 Study on YANG PUSH

#### 6.5.4 Study on network slice management capability exposure

**S5-215152 Solution for exposed MnS discovery service**

*Type: pCR For: Approval  
 28.824 v0.2.0  
 Source: Alibaba Group*

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

**S5-215349 pCR TR 28.824 Add use case for the exposure of network slice as a product**

*Type: pCR For: Agreement  
 28.824 v0.2.0  
 Source: Orange, AT&T, Telefonica, Huawei, Ericsson, Nokia, Deutsche Telekom*

**Decision:** The document was **revised to S5-215523**.

**S5-215523 pCR TR 28.824 Add use case for the exposure of network slice as a product**

*Type: pCR For: Agreement  
 28.824 v0.2.0  
 Source: Orange, AT&T, Telefonica, Huawei, Ericsson, Nokia, Deutsche Telekom*

(Replaces S5-215349)

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

**S5-215370 pCR 28.824 Add use case for Publishing rule for management capability exposure**

*Type: pCR For: Approval  
 28.824 v0.2.0  
 Source: AsiaInfo Technologies Inc,Alibaba Group*

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

**S5-215371 pCR 28.824 possible solution to support eMnS discovery service**

*Type: pCR For: Approval  
 28.824 v0.2.0  
 Source: AsiaInfo Technologies Inc,Alibaba Group*

**Decision:** The document was **revised to S5-215578**.

**S5-215578 pCR 28.824 possible solution to support eMnS discovery service**

*Type: pCR For: Approval  
 28.824 v0.2.0  
 Source: AsiaInfo Technologies Inc,Alibaba Group*

(Replaces S5-215371)

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

**S5-215374 pCR TR 28.824 Types of interfaces for the exposure of network slice**

*Type: pCR For: Agreement  
 28.824 v0.2.0  
 Source: Orange*

**Decision:** The document was **revised to S5-215524**.

**S5-215524 pCR TR 28.824 Types of interfaces for the exposure of network slice**

*Type: pCR For: Agreement  
 28.824 v0.2.0  
 Source: Orange*

(Replaces S5-215374)

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

**S5-215407 pCR TR28.824 Add NSCE Key issues**

*Type: pCR For: (not specified)  
 28.824 v0.2.0  
 Source: Huawei Technologies (Korea)*

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

**S5-215411 pCR - 28.824 Add possible solution for external discovery registration**

*Type: pCR For: Approval  
 28.824 v0.2.0  
 Source: Lenovo, Motorola Mobility*

**Decision:** The document was **revised to S5-215579**.

**S5-215579 pCR - 28.824 Add possible solution for external discovery registration**

*Type: pCR For: Approval  
 28.824 v0.2.0  
 Source: Lenovo, Motorola Mobility*

(Replaces S5-215411)

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

**S5-215412 28.824 discussion on scope**

*Type: discussion For: Endorsement  
 28.824 v0.2.0  
 Source: Lenovo, Motorola Mobility*

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

**S5-215421 pCR TR 28.824 Correction of figures in exposure scenarios**

*Type: pCR For: Approval  
 28.824 v0.2.0  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-215422 pCR TR 28.824 Service management scenarios invoked by product order**

*Type: pCR For: Approval  
 28.824 v0.2.0  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-215525**.

**S5-215525 pCR TR 28.824 Service management scenarios invoked by product order**

*Type: pCR For: Approval  
 28.824 v0.2.0  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-215422)

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

**S5-215431 DP on the mission of FS\_NSCE in SA5**

*Type: discussion For: Endorsement  
 28.824 v..  
 Source: TELEFONICA S.A.*

**Decision:** The document was **revised to S5-215526**.

**S5-215526 DP on the mission of FS\_NSCE in SA5**

*Type: discussion For: Endorsement  
 28.824 v..  
 Source: TELEFONICA S.A.*

(Replaces S5-215431)

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

**S5-215530 LS to TMF, MEF and GSMA on overall architecture for network slice ordering, provisioning and assurance**

*Type: LS out For: Approval  
 to TM Forum, MEF, GSMA, cc SA  
 Source: Orange*

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

**S5-215633 Latest draft TR 28.824**

*Type: draft TR For: Approval  
 28.824 v0.3.0  
 Source: Alibaba*

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

#### 6.5.5 Study on continuous integration continuous delivery support for 3GPP NFs

**S5-215068 DP on 3GPP CICD Functional Framework**

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

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

**S5-215091 pCR 28.819 Solution dynamic software update and live testing use case**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: Samsung Research America*

**Decision:** The document was **revised to S5-215527**.

**S5-215527 pCR 28.819 Solution dynamic software update and live testing use case**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: Samsung Research America*

(Replaces S5-215091)

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

**S5-215137 pCR 28.819 Add test task CRUD in 6.4 Tests’ management**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215528**.

**S5-215528 pCR 28.819 Add test task CRUD in 6.4 Tests’ management**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-215137)

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

**S5-215138 pCR 28.819 Definition of test orchestration and test task**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215529**.

**S5-215529 pCR 28.819 Definition of test orchestration and test task**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-215138)

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

**S5-215140 pCR 28.819 Supplyment to the use case of providing vendor feedback**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215614**.

**S5-215614 pCR 28.819 Supplyment to the use case of providing vendor feedback**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-215140)

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

**S5-215142 pCR 28.819 Use case of environment data collection**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215615**.

**S5-215615 pCR 28.819 Use case of environment data collection**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-215142)

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

**S5-215143 pCR 28.819 Use case of test orchestration**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215616**.

**S5-215616 pCR 28.819 Use case of test orchestration**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-215143)

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

**S5-215389 DP on 3GPP CICD Functional Framework**

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

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

**S5-215413 pCR - 28.819 solution for new NF delivery**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: Lenovo, Motorola Mobility, CMCC*

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

**S5-215414 pCR - 28.819 solution for feature selection**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: Lenovo Future Communications*

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

**S5-215415 pCR - 28.819 Add test managemnt service**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: Lenovo, Motorola Mob., CMCC*

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

**S5-215416 pCR - 28.819 add operational testing in classification**

*Type: pCR For: Approval  
 28.819 v0.2.0  
 Source: Lenovo Future Communications*

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

**S5-215417 Add operational testing in SID scope**

*Type: SID revised For: Approval  
 Source: Lenovo Future Communications*

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

**S5-215634 Latest draft TR 28.819**

*Type: draft TR For: Approval  
 28.819 v0.3.0  
 Source: Lenovo*

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

#### 6.5.6 Study on enhancement of service based management architecture

**S5-215104 TR 28.925 Add key issue on modelling of MnF**

*Type: pCR For: Approval  
 28.925 v0.2.0  
 Source: Huawei Technologies (Korea)*

(Replaces S5-214299)

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

**S5-215134 pCR TR 28.925 Add key issue on software management feature in SBMA for 5G**

*Type: pCR For: Approval  
 28.925 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215617**.

**S5-215617 pCR TR 28.925 Add key issue on software management feature in SBMA for 5G**

*Type: pCR For: Approval  
 28.925 v0.2.0  
 Source: Huawei*

(Replaces S5-215134)

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

**S5-215135 pCR TR 28.925 Add key issue on inventory management in SBMA**

*Type: pCR For: Approval  
 28.925 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215618**.

**S5-215618 pCR TR 28.925 Add key issue on inventory management in SBMA**

*Type: pCR For: Approval  
 28.925 v0.2.0  
 Source: Huawei*

(Replaces S5-215135)

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

**S5-215179 Apply SOA models to eSBMA**

*Type: pCR For: Approval  
 28.925 v0.1.0  
 Source: China Unicom, Huawei*

(Replaces S5-214170)

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

**S5-215401 pCR R17 28925-020 Inventory for 5G**

*Type: pCR For: (not specified)  
 28.925 v0.2.0  
 Source: Ericsson Inc.*

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

**S5-215402 Updated WID NSA\_SBMA**

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

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

**S5-215635 Latest draft TR 28.925**

*Type: draft TR For: Approval  
 28.925 v0.3.0  
 Source: Huawei,Ericsson*

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

#### 6.5.7 Study on Management Aspects of 5G Network Sharing

**S5-215106 pCR TR 28.825 Add scenario, requirements and potential solution for 5G MOCN network sharing**

*Type: pCR For: Approval  
 28.825 v0.1.0  
 Source: Huawei,China Unicom, CATT,China Mobile,Orange, China Telecom,Ericsson,Telefonica*

(Replaces S5-214204)

**Abstract:**

Resubmission of S5-214204

**Decision:** The document was **revised to S5-215619**.

**S5-215619 pCR TR 28.825 Add scenario, requirements and potential solution for 5G MOCN network sharing**

*Type: pCR For: Approval  
 28.825 v0.1.0  
 Source: Huawei,China Unicom, CATT,China Mobile,Orange, China Telecom,Ericsson,Telefonica*

(Replaces S5-215106)

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

**S5-215107 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 v0.1.0  
 Source: Huawei,China Unicom, CATT,China Mobile,Orange, China Telecom,Ericsson,Telefonica*

(Replaces S5-214205)

**Abstract:**

Resubmission of S5-214205

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

**S5-215115 pCR TR 28.825 Add requirement and potential solution for NRM enhancement to support network sharing**

*Type: pCR For: Approval  
 28.825 v0.1.0  
 Source: China Unicom*

(Replaces S5-214220)

**Decision:** The document was **revised to S5-215620**.

**S5-215620 pCR TR 28.825 Add requirement and potential solution for NRM enhancement to support network sharing**

*Type: pCR For: Approval  
 28.825 v0.1.0  
 Source: China Unicom*

(Replaces S5-215115)

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

**S5-215281 Discussion on analysis and comparison of potential solutions**

*Type: discussion For: Endorsement  
 Source: CALTTA*

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

**S5-215282 pCR 28.825 Add analysis and comparison of potential solutions**

*Type: pCR For: Approval  
 28.825 v0.1.0  
 Source: CALTTA*

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

**S5-215283 pCR 28.825 Add potential solution for NRM enhancement to support NG-RAN sharing**

*Type: pCR For: Approval  
 28.825 v0.1.0  
 Source: CALTTA*

**Decision:** The document was **revised to S5-215621**.

**S5-215621 pCR 28.825 Add potential solution for NRM enhancement to support NG-RAN sharing**

*Type: pCR For: Approval  
 28.825 v0.1.0  
 Source: CALTTA*

(Replaces S5-215283)

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

**S5-215636 Latest draft TR 28.825**

*Type: draft TR For: Approval  
 28.825 v0.2.0  
 Source: China Unicom*

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

### 7.1 Charging Plenary

**S5-215008 CH agenda and time plan**

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

**Decision:** The document was **revised to S5-215445**.

**S5-215445 CH agenda and time plan**

*Type: agenda For: -  
 Source: WG vice Chair (Matrixx)*

(Replaces S5-215008)

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

**S5-215009 Charging exec report**

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

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

### 7.2 New Charging Work Item proposals

**S5-215164 Charging aspects of Architecture Enhancement for NR Reduced Capability Devices**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215455**.

**S5-215455 Charging aspects of Architecture Enhancement for NR Reduced Capability Devices**

*Type: WID new For: Approval  
 Source: China Mobile Com. Corporation*

(Replaces S5-215164)

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

**S5-215177 New WID on charging aspects of Proximity-based Services in 5GS**

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

**Decision:** The document was **revised to S5-215458**.

**S5-215458 New WID on charging aspects of Proximity-based Services in 5GS**

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

(Replaces S5-215177)

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

**S5-215218 Charging aspects in SA2 WIDs for Rel-17**

*Type: discussion For: Information  
 Source: Matrixx, Huawei*

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

**S5-215287 New SID on new network resource usage type for charging in the 5G System (5GS)**

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

**Decision:** The document was **revised to S5-215602**.

**S5-215602 New SID on new network resource usage type for charging in the 5G System (5GS)**

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

(Replaces S5-215287)

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

**S5-215288 New WID on Charging Aspects of 5G LAN VN Group**

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

**Decision:** The document was **revised to S5-215459**.

**S5-215459 New WID on Charging Aspects of 5G LAN VN Group**

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

(Replaces S5-215288)

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

### 7.3 Charging Maintenance and Rel-17 small Enhancements

**S5-215109 Rel-16 CR 32.255 Correction of default chargeable events in SMF for QBC**

*Type: CR For: Approval  
 32.255 v16.10.0 CR-0331 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215473**.

**S5-215473 Rel-16 CR 32.255 Correction of default chargeable events in SMF for QBC**

*Type: CR For: Approval  
 32.255 v16.10.0 CR-0331 rev 1 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-215109)

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

**S5-215111 Rel-17 CR 32.255 Correction of default chargeable events in SMF for QBC**

*Type: CR For: Approval  
 32.255 v17.3.0 CR-0332 Cat: A (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-215474**.

**S5-215474 Rel-17 CR 32.255 Correction of default chargeable events in SMF for QBC**

*Type: CR For: Approval  
 32.255 v17.3.0 CR-0332 rev 1 Cat: A (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-215111)

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

**S5-215227 Discussion paper on charging roaming profile handling**

*Type: discussion For: Endorsement  
 Source: Ericsson LM*

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

**S5-215228 Discussion paper on overlapping triggers**

*Type: discussion For: Endorsement  
 Source: Ericsson LM*

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

**S5-215229 Rel-17 CR 32.290 Correcting charging identifier handling**

*Type: CR For: Agreement  
 32.290 v17.3.0 CR-0170 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215466**.

**S5-215466 Rel-17 CR 32.290 Correcting charging identifier handling**

*Type: CR For: Agreement  
 32.290 v17.3.0 CR-0170 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-215229)

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

**S5-215230 Rel-17 CR 32.255 Correcting charging identifier for NF set**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0333 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215605**.

**S5-215605 Rel-17 CR 32.255 Correcting charging identifier for NF set**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0333 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-215230)

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

**S5-215231 Rel-17 CR 32.255 Correcting missing termination in V-SMF change**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0334 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-215232 Rel-17 CR 32.255 Correcting unit count inactivity timer enablement**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0335 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215604**.

**S5-215604 Rel-17 CR 32.255 Correcting unit count inactivity timer enablement**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0335 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-215232)

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

**S5-215233 Rel-16 CR 32.255 Correcting UPF trigger in QBC**

*Type: CR For: Agreement  
 32.255 v16.10.0 CR-0336 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-215234 Rel-17 CR 32.255 Correcting UPF trigger in QBC**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0337 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-215297 Rel-17 CR 32.255 Addition of QoS Monitoring to Assist URLLC Service**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0338 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215465**.

**S5-215465 Rel-17 CR 32.255 Addition of QoS Monitoring to Assist URLLC Service**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0338 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215297)

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

**S5-215298 Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0339 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-215299 Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0340 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-215300 Rel-17 CR 32.255 Correction on Redundant Transmission Indication**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0341 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-215301 pCR Discussion paper on Response Code in Yaml and Response Body Table**

*Type: discussion For: Endorsement  
 Source: Huawei*

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

**S5-215302 Rel-17 CR 32.291 Correction on the HTTP status code**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0348 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-215303 Rel-17 CR 32.291 Support of stateless CHFs**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0349 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-215304 Discussion paper on Charging Identifier Correlation**

*Type: discussion For: Agreement  
 Source: Huawei*

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

**S5-215305 Rel-16 CR CR 32.255 Correction on the Charging ID Uniqueness**

*Type: CR For: Agreement  
 32.255 v16.10.0 CR-0342 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-215306 Rel-17 CR CR 32.255 Correction on the Charging ID Uniqueness**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0343 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-215307 Rel-16 CR CR 32.291 Correction on the Charging ID Uniqueness**

*Type: CR For: Agreement  
 32.291 v16.9.0 CR-0350 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-215308 Rel-17 CR CR 32.291 Correction on the Charging ID Uniqueness**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0351 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-215309 Rel-16 CR CR 32.298 Correction on the Charging ID Uniqueness**

*Type: CR For: Agreement  
 32.298 v16.9.0 CR-0877 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-215310 Rel-17 CR CR 32.298 Correction on the Charging ID Uniqueness**

*Type: CR For: Agreement  
 32.298 v17.0.0 CR-0878 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-215311 Rel-16 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change**

*Type: CR For: Agreement  
 32.255 v16.10.0 CR-0344 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215475**.

**S5-215475 Rel-16 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change**

*Type: CR For: Agreement  
 32.255 v16.10.0 CR-0344 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-215311)

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

**S5-215312 Rel-17 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0345 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215476**.

**S5-215476 Rel-17 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0345 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215312)

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

**S5-215313 Rel-16 CR 32.298 Alignment of the charging data request and response**

*Type: CR For: Agreement  
 32.298 v16.9.0 CR-0879 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215580**.

**S5-215580 Rel-16 CR 32.298 Alignment of the charging data request and response**

*Type: CR For: Agreement  
 32.298 v16.9.0 CR-0879 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-215313)

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

**S5-215314 Rel-17 CR 32.298 Alignment of the charging data request and response**

*Type: CR For: Agreement  
 32.298 v17.0.0 CR-0880 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215581**.

**S5-215581 Rel-17 CR 32.298 Alignment of the charging data request and response**

*Type: CR For: Agreement  
 32.298 v17.0.0 CR-0880 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215314)

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

**S5-215315 Rel-16 CR 32.291 Alignment of the charging data request and response**

*Type: CR For: Agreement  
 32.291 v16.9.0 CR-0352 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215582**.

**S5-215582 Rel-16 CR 32.291 Alignment of the charging data request and response**

*Type: CR For: Agreement  
 32.291 v16.9.0 CR-0352 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-215315)

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

**S5-215316 Rel-17 CR 32.291 Alignment of the charging data request and response**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0353 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215583**.

**S5-215583 Rel-17 CR 32.291 Alignment of the charging data request and response**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0353 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215316)

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

**S5-215324 Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0354 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215467**.

**S5-215467 Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0354 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215324)

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

**S5-215325 Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service**

*Type: CR For: Agreement  
 32.298 v17.0.0 CR-0881 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-215468**.

**S5-215468 Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service**

*Type: CR For: Agreement  
 32.298 v17.0.0 CR-0881 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215325)

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

#### 7.4.1 IMS Charging in 5G System Architecture

**S5-215235 Rel-17 CR 32.291 Addition of IMS charging information data types**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0344 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215456**.

**S5-215456 Rel-17 CR 32.291 Addition of IMS charging information data types**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0344 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-215235)

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

**S5-215236 Rel-17 CR 32.291 Addition of IMS charging information enumerations**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0345 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-215237 Rel-17 CR 32.291 Addition of IMS charging information general types**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0346 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215457**.

**S5-215457 Rel-17 CR 32.291 Addition of IMS charging information general types**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0346 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-215237)

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

**S5-215238 Rel-17 CR 32.291 Correction of IMS charging information**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0347 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215454**.

**S5-215454 Rel-17 CR 32.291 Correction of IMS charging information**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0347 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-215238)

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

#### 7.4.2 Charging aspects of Edge Computing

**S5-215385 Initial skeleton (v0.0.0) of TS 32.257**

*Type: draft TS For: Information  
 32.257 v0.0.0  
 Source: Intel Sweden AB*

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

**S5-215386 pCR Add structure for TS 32.257**

*Type: pCR For: Approval  
 32.257 v0.0.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-215462**.

**S5-215462 pCR Add structure for TS 32.257**

*Type: pCR For: Approval  
 32.257 v0.0.0  
 Source: Intel Sweden AB*

(Replaces S5-215386)

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

**S5-215387 pCR Add overview for TS 32.257**

*Type: pCR For: Approval  
 32.257 v0.0.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-215463**.

**S5-215463 pCR Add overview for TS 32.257**

*Type: pCR For: Approval  
 32.257 v0.0.0  
 Source: Intel Sweden AB*

(Replaces S5-215387)

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

**S5-215446 Draft TS 32.257**

*Type: draft TS For: Approval  
 32.257 v0.1.0  
 Source: Intel Sweden*

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

#### 7.5.1 Study on charging aspects of Edge Computing

**S5-215289 Rel-17 pCR 28.815 Addition the eCHF for inter-provider based charging**

*Type: pCR For: Agreement  
 28.815 v1.2.0  
 Source: Huawei*

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

**S5-215329 was214711 pCR 28.815 Add ECS charging information aggregation and technical solution**

*Type: pCR For: Approval  
 28.815 v1.2.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

**Decision:** The document was **revised to S5-215593**.

**S5-215593 was214711 pCR 28.815 Add ECS charging information aggregation and technical solution**

*Type: pCR For: Approval  
 28.815 v1.2.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

(Replaces S5-215329)

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

**S5-215330 pCR 28.815 Add evaluation of possible solution for aggregated charging**

*Type: pCR For: Approval  
 28.811 v0.6.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

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

**S5-215388 pCR 28.815 Add solutions on charging for 5GS usage based on monitored QoS**

*Type: pCR For: Approval  
 28.815 v1.2.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-215599**.

**S5-215599 pCR 28.815 Add solutions on charging for 5GS usage based on monitored QoS**

*Type: pCR For: Approval  
 28.815 v1.2.0  
 Source: Intel Sweden AB*

(Replaces S5-215388)

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

**S5-215447 Draft TR 28.815**

*Type: draft TR For: Approval  
 28.815 v1.3.0  
 Source: Ericsson*

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

#### 7.5.2 Study on charging aspects of 5GS CIoT

**S5-215331 pCR 28.816 Add solution of 5GS CIoT access service**

*Type: pCR For: Approval  
 28.816 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

**Decision:** The document was **revised to S5-215477**.

**S5-215477 pCR 28.816 Add solution of 5GS CIoT access service**

*Type: pCR For: Approval  
 28.816 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

(Replaces S5-215331)

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

**S5-215333 pCR 28.816 remove editor note in clause 5.4.1.2.4**

*Type: pCR For: Approval  
 28.816 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

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

**S5-215334 pCR 28.816 Add evaluation of enhancements to 5G data connectivity domain charging**

*Type: pCR For: Approval  
 28.816 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

**Decision:** The document was **revised to S5-215478**.

**S5-215478 pCR 28.816 Add evaluation of enhancements to 5G data connectivity domain charging**

*Type: pCR For: Approval  
 28.816 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

(Replaces S5-215334)

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

**S5-215335 pCR 28.816 Add evaluation of enhancements to control plane data transfer domain charging**

*Type: pCR For: Approval  
 28.816 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

**Decision:** The document was **revised to S5-215601**.

**S5-215601 pCR 28.816 Add evaluation of enhancements to control plane data transfer domain charging**

*Type: pCR For: Approval  
 28.816 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

(Replaces S5-215335)

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

**S5-215336 pCR 28.816 Add evaluation of enhancements to monitoring event domain charging**

*Type: pCR For: Approval  
 28.816 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

**Decision:** The document was **revised to S5-215479**.

**S5-215479 pCR 28.816 Add evaluation of enhancements to monitoring event domain charging**

*Type: pCR For: Approval  
 28.816 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

(Replaces S5-215336)

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

**S5-215337 pCR 28.816 Add conclusion and recommendations**

*Type: pCR For: Approval  
 28.816 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

**Decision:** The document was **revised to S5-215586**.

**S5-215586 pCR 28.816 Add conclusion and recommendations**

*Type: pCR For: Approval  
 28.816 v1.0.0  
 Source: Huawei Tech.(UK) Co.. Ltd*

(Replaces S5-215337)

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

**S5-215448 Draft TR 28.816**

*Type: draft TR For: Approval  
 28.816 v1.1.0  
 Source: Huawei*

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

#### 7.5.3 Study on charging aspects of Proximity-based Services in 5GC

**S5-215170 pCR 32.846 Add evaluation and conclusion for 5G ProSe Direct Discovery charging**

*Type: pCR For: Approval  
 32.846 v1.1.1  
 Source: CATT*

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

**S5-215171 pCR 32.846 Add evaluation and conclusion for 5G ProSe Direct Communication charging**

*Type: pCR For: Approval  
 32.846 v1.1.1  
 Source: CATT*

**Decision:** The document was **revised to S5-215603**.

**S5-215603 pCR 32.846 Add evaluation and conclusion for 5G ProSe Direct Communication charging**

*Type: pCR For: Approval  
 32.846 v1.1.1  
 Source: CATT*

(Replaces S5-215171)

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

**S5-215172 pCR 32.846 Add evaluation and conclusion for charging based on QoS flow**

*Type: pCR For: Approval  
 32.846 v1.1.1  
 Source: CATT*

**Decision:** The document was **revised to S5-215464**.

**S5-215464 pCR 32.846 Add evaluation and conclusion for charging based on QoS flow**

*Type: pCR For: Approval  
 32.846 v1.1.1  
 Source: CATT*

(Replaces S5-215172)

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

**S5-215173 pCR 32.846 Add conclusions and recommendations**

*Type: pCR For: Approval  
 32.846 v1.1.1  
 Source: CATT*

**Decision:** The document was **revised to S5-215460**.

**S5-215460 pCR 32.846 Add conclusions and recommendations**

*Type: pCR For: Approval  
 32.846 v1.1.1  
 Source: CATT*

(Replaces S5-215173)

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

**S5-215174 pCR 32.846 pCR 32.846 Rapporteur's clean-up**

*Type: pCR For: Approval  
 32.846 v1.1.1  
 Source: CATT*

**Decision:** The document was **revised to S5-215461**.

**S5-215461 pCR 32.846 pCR 32.846 Rapporteur's clean-up**

*Type: pCR For: Approval  
 32.846 v1.1.1  
 Source: CATT*

(Replaces S5-215174)

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

**S5-215175 pCR 32.846 Refinements on architectures for 5G ProSe charging**

*Type: pCR For: Approval  
 32.846 v1.1.1  
 Source: CATT*

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

**S5-215176 Presentation of TR 32.846 for information**

*Type: TS or TR cover For: Approval  
 32.846 v1.1.1  
 Source: CATT*

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

**S5-215449 Draft TR 32.846**

*Type: draft TR For: Approval  
 32.846 v1.2.0  
 Source: CATT*

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

#### 7.5.4 Study on Charging Aspect of 5G LAN-type Services

**S5-215239 Rel-17 pCR 28.822 Correction of 5G VN group management**

*Type: pCR For: Approval  
 28.822 v0.4.0  
 Source: Ericsson LM*

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

**S5-215290 Rel-17 pCR 28.822 Addition of NEF (CEF) solution for 5G VN group management**

*Type: pCR For: Agreement  
 28.822 v0.4.0  
 Source: Huawei*

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

**S5-215291 Rel-17 pCR 28.822 Addition of the solution for usage of 5G VN group communication**

*Type: pCR For: Agreement  
 28.822 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215584**.

**S5-215584 Rel-17 pCR 28.822 Addition of the solution for usage of 5G VN group communication**

*Type: pCR For: Agreement  
 28.822 v0.4.0  
 Source: Huawei*

(Replaces S5-215291)

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

**S5-215292 Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group communication**

*Type: pCR For: Agreement  
 28.822 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215592**.

**S5-215592 Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group communication**

*Type: pCR For: Agreement  
 28.822 v0.4.0  
 Source: Huawei*

(Replaces S5-215292)

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

**S5-215293 Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group management**

*Type: pCR For: Agreement  
 28.822 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215595**.

**S5-215595 Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group management**

*Type: pCR For: Agreement  
 28.822 v0.4.0  
 Source: Huawei*

(Replaces S5-215293)

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

**S5-215294 Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group traffic forwarding**

*Type: pCR For: Agreement  
 28.822 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215585**.

**S5-215585 Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group traffic forwarding**

*Type: pCR For: Agreement  
 28.822 v0.4.0  
 Source: Huawei*

(Replaces S5-215294)

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

**S5-215295 Rel-17 pCR 28.822 Addition of the Conclusions and Recommendations**

*Type: pCR For: Agreement  
 28.822 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215600**.

**S5-215600 Rel-17 pCR 28.822 Addition of the Conclusions and Recommendations**

*Type: pCR For: Agreement  
 28.822 v0.4.0  
 Source: Huawei*

(Replaces S5-215295)

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

**S5-215450 Draft TR 28.822**

*Type: draft TR For: Approval  
 28.822 v0.5.0  
 Source: Huawei*

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

#### 7.5.5 Study on charging aspects for enhancements of Network Slicing Phase 2

**S5-215069 Rel-17 pCR 32.847 Update Solution#3.1 Volume aggregation by NS Tenant CCS**

*Type: pCR For: Approval  
 32.847 v0.4.0  
 Source: China Mobile*

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

**S5-215070 Rel-17 pCR 32.847 Update Solution#6.1 NS Tenant CCS separated from UE CCS**

*Type: pCR For: Approval  
 32.847 v0.4.0  
 Source: China Mobile*

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

**S5-215071 Rel-17 pCR 32.847 Update Solution#7.1 Duration determination by NS Tenant CCS**

*Type: pCR For: Approval  
 32.847 v0.4.0  
 Source: China Mobile*

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

**S5-215072 Rel-17 pCR 32.847 Update Evaluation of Key issue #3**

*Type: pCR For: Approval  
 32.847 v0.4.0  
 Source: China Mobile*

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

**S5-215296 Rel-17 pCR 32.847 Addition of background about NSPA Charging**

*Type: pCR For: Agreement  
 32.847 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215587**.

**S5-215587 Rel-17 pCR 32.847 Addition of background about NSPA Charging**

*Type: pCR For: Agreement  
 32.847 v0.4.0  
 Source: Huawei*

(Replaces S5-215296)

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

**S5-215451 Draft TR 32.847**

*Type: draft TR For: Approval  
 32.847 v0.5.0  
 Source: Matrixx*

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

#### 7.5.6 Study on Nchf charging services phase 2

**S5-215240 Rel-17 pCR 28.826 Addition of introduction and scope**

*Type: pCR For: Approval  
 28.826 v0.0.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215469**.

**S5-215469 Rel-17 pCR 28.826 Addition of introduction and scope**

*Type: pCR For: Approval  
 28.826 v0.0.0  
 Source: Ericsson LM*

(Replaces S5-215240)

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

**S5-215241 Rel-17 pCR 28.826 Study document structure**

*Type: pCR For: Approval  
 28.826 v0.0.0  
 Source: Ericsson LM*

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

**S5-215242 Rel-17 pCR 28.826 Addition of overview**

*Type: pCR For: Approval  
 28.826 v0.0.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215470**.

**S5-215470 Rel-17 pCR 28.826 Addition of overview**

*Type: pCR For: Approval  
 28.826 v0.0.0  
 Source: Ericsson LM*

(Replaces S5-215242)

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

**S5-215243 Rel-17 pCR 28.826 Key issue on charging information**

*Type: pCR For: Approval  
 28.826 v0.0.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215594**.

**S5-215594 Rel-17 pCR 28.826 Key issue on charging information**

*Type: pCR For: Approval  
 28.826 v0.0.0  
 Source: Ericsson LM*

(Replaces S5-215243)

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

**S5-215322 Rel-17 pCR 28.826 Add the topic for Enhancement of input to CHF Rating**

*Type: pCR For: Agreement  
 28.826 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215591**.

**S5-215591 Rel-17 pCR 28.826 Add the topic for Enhancement of input to CHF Rating**

*Type: pCR For: Agreement  
 28.826 v0.0.0  
 Source: Huawei*

(Replaces S5-215322)

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

**S5-215323 Rel-17 pCR 28.826 Add the topic for Non-blocking Mode Enhancement**

*Type: pCR For: Agreement  
 28.826 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215590**.

**S5-215590 Rel-17 pCR 28.826 Add the topic for Non-blocking Mode Enhancement**

*Type: pCR For: Agreement  
 28.826 v0.0.0  
 Source: Huawei*

(Replaces S5-215323)

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

**S5-215452 Draft TR 28.826**

*Type: draft TR For: Approval  
 28.826 v0.1.0  
 Source: Ericsson*

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

#### 7.5.7 Study on 5G roaming charging architecture for wholesale and retail scenarios

**S5-215244 Rel-17 pCR 28.827 New possible solution for use case #2a**

*Type: pCR For: Approval  
 28.827 v0.1.0  
 Source: Ericsson LM*

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

**S5-215245 Rel-17 pCR 28.827 Use case for additional actor does retail charging for home UE**

*Type: pCR For: Approval  
 28.827 v0.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215471**.

**S5-215471 Rel-17 pCR 28.827 Use case for additional actor does retail charging for home UE**

*Type: pCR For: Approval  
 28.827 v0.1.0  
 Source: Ericsson LM*

(Replaces S5-215245)

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

**S5-215246 Rel-17 pCR 28.827 Use case for additional actor does retail charging for roaming UE**

*Type: pCR For: Approval  
 28.827 v0.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215472**.

**S5-215472 Rel-17 pCR 28.827 Use case for additional actor does retail charging for roaming UE**

*Type: pCR For: Approval  
 28.827 v0.1.0  
 Source: Ericsson LM*

(Replaces S5-215246)

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

**S5-215247 Rel-17 pCR 28.827 Use case for home MNO does wholesale charging towards additional actor**

*Type: pCR For: Approval  
 28.827 v0.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-215660**.

**S5-215660 Rel-17 pCR 28.827 Use case for home MNO does wholesale charging towards additional actor**

*Type: pCR For: Approval  
 28.827 v0.1.0  
 Source: Ericsson LM*

(Replaces S5-215247)

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

**S5-215317 Rel-17 pCR 28.827 Addition the new solution in the Topic 7.2**

*Type: pCR For: Agreement  
 28.827 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215598**.

**S5-215598 Rel-17 pCR 28.827 Addition the new solution in the Topic 7.2**

*Type: pCR For: Agreement  
 28.827 v0.1.0  
 Source: Huawei*

(Replaces S5-215317)

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

**S5-215318 Rel-17 pCR 28.827 Addition of the LBO message flows for Topic 7.1**

*Type: pCR For: Agreement  
 28.827 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215597**.

**S5-215597 Rel-17 pCR 28.827 Addition of the LBO message flows for Topic 7.1**

*Type: pCR For: Agreement  
 28.827 v0.1.0  
 Source: Huawei*

(Replaces S5-215318)

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

**S5-215319 Rel-17 pCR 28.827 Clarification on the use cases and key issues for Topic 7.1**

*Type: pCR For: Agreement  
 28.827 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215596**.

**S5-215596 Rel-17 pCR 28.827 Clarification on the use cases and key issues for Topic 7.1**

*Type: pCR For: Agreement  
 28.827 v0.1.0  
 Source: Huawei*

(Replaces S5-215319)

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

**S5-215320 Rel-17 pCR 28.827 Addition of the LBO,HR and BCE in Concept and Overview**

*Type: pCR For: Agreement  
 28.827 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215589**.

**S5-215589 Rel-17 pCR 28.827 Addition of the LBO,HR and BCE in Concept and Overview**

*Type: pCR For: Agreement  
 28.827 v0.1.0  
 Source: Huawei*

(Replaces S5-215320)

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

**S5-215321 Rel-17 pCR 28.827 Clarify the Business Role**

*Type: pCR For: Agreement  
 28.827 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-215588**.

**S5-215588 Rel-17 pCR 28.827 Clarify the Business Role**

*Type: pCR For: Agreement  
 28.827 v0.1.0  
 Source: Huawei*

(Replaces S5-215321)

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

**S5-215453 Draft TR 28.827**

*Type: draft TR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson*

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

## 8 Any Other Business

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S5-215000 | Agenda | WG Chair | approved |  |  |
| S5-215001 | Report from last SA5 meeting | MCC | approved |  |  |
| S5-215002 | e-meeting process | WG Chair | approved |  |  |
| S5-215003 | Post e-meeting email approval status | WG Chair | available |  |  |
| S5-215004 | OAM&P action list | WG Vice Chair (Huawei) | noted |  |  |
| S5-215005 | agenda\_with\_Tdocs\_sequence\_proposal\_OAM | WG Vice Chair (Huawei) | noted |  |  |
| S5-215006 | OAM Exec Report | WG Vice Chair (Huawei) | noted |  |  |
| S5-215007 | OAM Chair notes and conclusions | WG Chair | noted |  |  |
| S5-215008 | CH agenda and time plan | WG vice Chair (Matrixx) | revised |  | S5-215445 |
| S5-215009 | Charging exec report | WG vice Chair (Matrixx) | noted |  |  |
| S5-215010 | SA5 working procedures | WG Chair | approved |  |  |
| S5-215011 | Process for management of draft TS-TRs | WG Chair | noted |  |  |
| S5-215012 | SA5 meeting calendar | WG CHair | noted |  |  |
| S5-215013 | LS cc SA5 on Prioritized Vehicle to Cloud Technical Solutions | Automotive Edge Computing Consortium (AECC) | postponed |  |  |
| S5-215014 | LS on Guidelines on Port Allocation for New 3GPP Interfaces | C4-214848 | postponed |  |  |
| S5-215015 | Resubmitted Ls on New Whitepaper: “E2E Network Slicing Architecture" | GSMA | replied to |  |  |
| S5-215016 | Resubmitted Reply 3GPP LS S5-213522 to TM Forum on Intent Management | TMF | replied to |  |  |
| S5-215017 | Resubmitted LS on slicing management aspects in relation to SEAL | S6-210709 | postponed |  |  |
| S5-215018 | Resubmitted LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-213454) | ITU-T | noted |  |  |
| S5-215019 | Resubmitted LS on the mapping between service types and slice at application | R3-212904 | postponed |  |  |
| S5-215020 | Liaison  Multi-SDO Autonomous Networks (AN) SDO:  Legal Representative IPR Discussion Meeting Notes:  Minutes and Actions 13th Sept 2021 Meeting  Ref AN-SDO2021-010 | TMF | noted |  |  |
| S5-215021 | Liaison  Multi-SDO Autonomous Networks (AN) Formal Liaison:  Proposal for Legal representative IPR discussion 13th Sept 2021 14:00 CET  Liaison AN-SDO2021-09 | TMF | noted |  |  |
| S5-215022 | Reply LS on Inclusive language for ANR | R2-2108869 | postponed |  |  |
| S5-215023 | Reply LS on Inclusive Language for ANR | R3-214289 | postponed |  |  |
| S5-215024 | Reply LS on using SA5 Performance Measurements and Trace for centralised PCI management | R2-2108967 | noted |  |  |
| S5-215025 | LS on QoE Reference and maximum number of QoE configurations in RRC | R2-2109200 | replied to |  |  |
| S5-215026 | LS Reply on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | R3-214429 | replied to |  |  |
| S5-215027 | Reply LS on QoE configuration and reporting related issues | R3-214471 | postponed |  |  |
| S5-215028 | LS on RAN3 agreements for NR QoE | R3-214477 | postponed |  |  |
| S5-215029 | LS to SA5 on model deployment and update from OAM to NG-RAN | R3-214481 | noted |  |  |
| S5-215030 | LS on the Beam measurement reports for the MDT measurements | R3-214519 | postponed |  |  |
| S5-215031 | LS on Network slice information from OAM | S2-2106634 | postponed |  |  |
| S5-215032 | LS on TS 28.404/TS 28.405 Clarification | S4-211234 | postponed |  |  |
| S5-215033 | LS ccSA5 Reply on requirement for configuration changes of ongoing QMC sessions | S4-211248 | noted |  |  |
| S5-215034 | LS Reply on QoE report handling at QoE pause | S4-211290 | postponed |  |  |
| S5-215035 | Reply LS ccSA5 on QoE configuration and reporting related issues | S4-211291 | noted |  |  |
| S5-215036 | Reply LS ccSA5 to 5G-ACIA on 5G capabilities exposure for factories of the future | SP-211134 | noted |  |  |
| S5-215037 | Reply LS on Inclusive language review | SP-211140 | postponed |  |  |
| S5-215038 | pCR 28.314 PnC Concepts and Requirements - BusinessRequirements | Oy LM Ericsson AB | approved |  |  |
| S5-215039 | pCR 28.314 PnC Concepts and Requirements - SpecificationRequirements | Oy LM Ericsson AB | revised |  | S5-215562 |
| S5-215040 | pCR 28.315 PnC Procedure flows - full spec | Oy LM Ericsson AB | revised |  | S5-215563 |
| S5-215041 | Rel-17 CR 28.313 remove plug and connect procedure | Oy LM Ericsson AB | merged |  | S5-215564 |
| S5-215042 | Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-215043 | Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-215044 | Correct Class diagram of AMF Region/AMF Set and stage 3 implementation | Nokia, Nokia Shanghai Bell | revised |  | S5-215505 |
| S5-215045 | Correct Class diagram of AMF Region/AMF Set and stage 3 implementation | Nokia, Nokia Shanghai Bell | merged |  | S5-215510 |
| S5-215046 | Clarify the usage of pLMNId in first entry in pLMNInfoList | Nokia, Nokia Shanghai Bell | revised |  | S5-215506 |
| S5-215047 | Clarify the usage of pLMNId in first entry in pLMNInfoList | Nokia, Nokia Shanghai Bell | revised |  | S5-215507 |
| S5-215048 | Rel-17 CR TS 28.554 Add definition of ECns | Orange, Huawei | revised |  | S5-215555 |
| S5-215049 | pCR TR 28.813 Address Edithelp comments | Orange | approved |  |  |
| S5-215050 | pCR TR 28.813 Reshape Potential Solution #2 of KI#2 | Orange | approved |  |  |
| S5-215051 | pCR TR 28.813 Remove FFS from Potential Solution #3 of KI#2 | Orange | approved |  |  |
| S5-215052 | pCR TR 28.813 Remove editor’s note from clause 4.4.1 | Orange | approved |  |  |
| S5-215053 | pCR TR 28.813 Add conclusion to KI#5 | Orange | approved |  |  |
| S5-215054 | pCR TR 28.813 Add conclusion to KI#9 | Orange | approved |  |  |
| S5-215055 | DraftCR for 5GDMS - TS 28.533 | Huawei | merged |  | S5-215531 |
| S5-215056 | DraftCR for 5GDMS - TS 28.622 | Huawei | merged |  | S5-215532 |
| S5-215057 | DraftCR for 5GDMS - TS 28.623 | Huawei | merged |  | S5-215533 |
| S5-215058 | Correction of the typo within the update field of the “5.1.1.24.2 Average Abnormally Released Call (5QI 1 QoS Flow) Duration” measurement. | Nokia Solutions & Networks (I) | agreed |  |  |
| S5-215059 | Rel-16 CR 28.313 correction for self-configuration Figure title | Oy LM Ericsson AB | agreed |  |  |
| S5-215060 | Rel-17 CR 28.313 correction for self-configuration Figure title | Oy LM Ericsson AB | agreed |  |  |
| S5-215061 | Rel-17 CR 28.313 add RRM related measurements information | Intel Corporation (UK) Ltd | revised |  | S5-215655 |
| S5-215062 | Rel-17 draft CR 28.313 Add D-LBO and C-LBO procedures | Intel Corporation (UK) Ltd | revised |  | S5-215547 |
| S5-215063 | Rel-17 CR 28.313 Add Stage 2 solutions to support D-LBO | Intel Corporation (UK) Ltd | withdrawn |  |  |
| S5-215064 | Rel-17 CR 28.541 Add Stage 2 solutions to support D-LBO | Intel Corporation (UK) Ltd | revised |  | S5-215553 |
| S5-215065 | Rel-17 CR 28.541 Add Stage 3 solutions to support D-LBO | Intel Corporation (UK) Ltd | revised |  | S5-215656 |
| S5-215066 | Rel-16 CR 28.541 Add sonFunction attribute in notification | Intel Corporation (UK) Ltd | not pursued |  |  |
| S5-215067 | Rel-17 CR 28.313 Add notifications to D-SON functions of MRO and PCI re-configuration | Intel Corporation (UK) Ltd | revised |  | S5-215554 |
| S5-215068 | DP on 3GPP CICD Functional Framework | China Mobile Com. Corporation | withdrawn |  |  |
| S5-215069 | Rel-17 pCR 32.847 Update Solution#3.1 Volume aggregation by NS Tenant CCS | China Mobile | approved |  |  |
| S5-215070 | Rel-17 pCR 32.847 Update Solution#6.1 NS Tenant CCS separated from UE CCS | China Mobile | approved |  |  |
| S5-215071 | Rel-17 pCR 32.847 Update Solution#7.1 Duration determination by NS Tenant CCS | China Mobile | approved |  |  |
| S5-215072 | Rel-17 pCR 32.847 Update Evaluation of Key issue #3 | China Mobile | approved |  |  |
| S5-215073 | New WID on Self-Configuration of RAN NEs | China Mobile, HUAWEI | revised |  | S5-215494 |
| S5-215074 | pCR 28.556 Add informaiton model definition entities fo Policy | China Mobile Com. Corporation | revised |  | S5-215543 |
| S5-215075 | pCR 28.556 Add class diagram | China Mobile Com. Corporation | revised |  | S5-215544 |
| S5-215076 | pCR 28.556 Add class definition | China Mobile Com. Corporation | revised |  | S5-215545 |
| S5-215077 | pCR 28.556 Add Information attribute definitions | China Mobile Com. Corporation | revised |  | S5-215546 |
| S5-215078 | Rel-17 CR 28.310 Update clause 6.2 for energy saving | Huawei | revised |  | S5-215556 |
| S5-215079 | Rel-17 CR 28.554 Add Energy Consumption KPI for NG-RAN | Huawei | revised |  | S5-215557 |
| S5-215080 | pCR 28.557 Solution for management of PNI-NPN | Huawei | revised |  | S5-215639 |
| S5-215081 | pCR 28.557 Remove obsolete editor notes | Huawei | approved |  |  |
| S5-215082 | New SID on enhancement on management of NPN | Huawei | revised |  | S5-215647 |
| S5-215083 | Reply LS to GSMA on new whitepaper E2E Network Slicing Architecture | Huawei | approved |  |  |
| S5-215084 | Rel-17 CR 28.541 Update latency to support UL and DL requirements | Huawei, China Mobile | agreed |  |  |
| S5-215085 | Rel-17 CR 28.541 Align attribute names for CNSliceSubnetProfile | Huawei | agreed |  |  |
| S5-215086 | New Rel-18 WID on Enhanced intent driven management services for mobile network | Huawei, China Telecom, CATT, AsiaInfo, China Unicom, China Mobile | noted | S5-214171 |  |
| S5-215087 | Rel-17 CR TS 28.541 Add feasibility check NRM fragment | Huawei,China Unicom, Deutsche Telekom,China Mobile | not pursued | S5-214200 |  |
| S5-215088 | Rel-17 CR TS 28.531 Update procedure of reservation and checking feasibility of network slice subnet | Huawei,China Unicom,Deutsche Telekom,China Mobile | not pursued | S5-214202 |  |
| S5-215089 | Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment | Huawei | not pursued | S5-214218 |  |
| S5-215090 | New WID on PaaS for Virtualized Network Functions | China Mobile Com. Corporation | withdrawn |  |  |
| S5-215091 | pCR 28.819 Solution dynamic software update and live testing use case | Samsung Research America | revised |  | S5-215527 |
| S5-215092 | Rel-17 InputToDraftCR 28.537 Targeted management data collection | Samsung Research America | noted |  |  |
| S5-215093 | Discussion on operations and intent models for intent driven management | Huawei, China Telecom, AsiaInfo, China Mobile,China Unicom | noted | S5-214211 |  |
| S5-215094 | pCR TS 28.312 Update intent information model | Huawei, China Telecom, China Mobile,AsiaInfo | revised | S5-214212 | S5-215540 |
| S5-215095 | pCR TS 28.312 Add concrete RadioNetworkExpectation | Huawei, China Telecom, China Mobile, China Unicom | revised | S5-214213 | S5-215541 |
| S5-215096 | Rel-17 CR 28.536 Focused ACCL | Samsung Research America | revised |  | S5-215652 |
| S5-215097 | pCR TS 28.312 Add concrete RadioServiceExpectation | Huawei, China Telecom, China Mobile, China Unicom | noted | S5-214214 |  |
| S5-215098 | pCR TS 28.312 Update description in clause 4.2.1 andclause 4.2.2 | Huawei, China Telecom, China Mobile, AsiaInfo | revised | S5-214215 | S5-215542 |
| S5-215099 | New WID on PaaS for Virtualized Network Functions | China Mobile Com. Corporation | noted |  |  |
| S5-215100 | Rel-17 InputToDraftCR 28.622 ManagementDataCollectionJob.docx | Samsung Research America | noted |  |  |
| S5-215101 | Rel-17 CR TS 28.313 Update procedures for plug and connect to management system | Huawei, China Telecom | revised | S5-214216 | S5-215564 |
| S5-215102 | pCR TS 28.315 Add procedures flows for RAN NE PnC | Huawei, China Telecom | merged | S5-214217 | S5-215563 |
| S5-215103 | New SID on Deterministic Service Assurance Management | Huawei | noted |  |  |
| S5-215104 | TR 28.925 Add key issue on modelling of MnF | Huawei Technologies (Korea) | noted | S5-214299 |  |
| S5-215105 | New SID on Fault Supervision Evolution | Huawei | revised |  | S5-215495 |
| S5-215106 | 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,Telefonica | revised | S5-214204 | S5-215619 |
| S5-215107 | 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,Telefonica | approved | S5-214205 |  |
| S5-215108 | DP on assurance report for closed control loop | Huawei | revised |  | S5-215549 |
| S5-215109 | Rel-16 CR 32.255 Correction of default chargeable events in SMF for QBC | China Mobile Com. Corporation | revised |  | S5-215473 |
| S5-215110 | YANG Solution Set for Inventory Management | Ericsson Hungary Ltd | not pursued |  |  |
| S5-215111 | Rel-17 CR 32.255 Correction of default chargeable events in SMF for QBC | China Mobile Com. Corporation | revised |  | S5-215474 |
| S5-215112 | Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop | Huawei | revised |  | S5-215550 |
| S5-215113 | DP on coordination between closed control loop | Huawei | revised |  | S5-215551 |
| S5-215114 | Rel-17 Input to draftCR S5-212397 TS 28.535 Update coordination between closed control loops | Huawei | revised |  | S5-215552 |
| S5-215115 | pCR TR 28.825 Add requirement and potential solution for NRM enhancement to support network sharing | China Unicom | revised | S5-214220 | S5-215620 |
| S5-215116 | pCR 28.312 ServiceDeploymentExpectation Datatype definition | Samsung Research America | noted |  |  |
| S5-215117 | Rel-16 CR TS 28.532 Align the description for generic provisioning MnS | Huawei | revised |  | S5-215503 |
| S5-215118 | Rel-16 CR TS 28.532 Fix the incorrect reference of Generic fault supervision management service to TS 32.158 | Huawei | agreed |  |  |
| S5-215119 | Rel-16 CR TS 28.532 Fix the incorrect reference of File data reporting service to TS 32.158 | Huawei | agreed |  |  |
| S5-215120 | Rel-16 CR TS 28.532 Rel-16 CR TS 28.532 Fix the URI description for streaming data report MnS | Huawei | revised |  | S5-215504 |
| S5-215121 | Rel-17 CR TS 28.541 YAML update for RRMPolicy | Huawei | agreed |  |  |
| S5-215122 | Rel-17 CR TS 28.622 Add condition information for threshold monitoring | Huawei | not pursued |  |  |
| S5-215123 | Rel-17 CR TS 28.541 Rel-17 CR TS 28.541 Add attribute networkSliceSubnetType for NetworkSliceSubnet IOC | Huawei | revised |  | S5-215642 |
| S5-215124 | pCR TS 28.100 update generic MnS requirements and solutions for network optimization | Huawei,China Mobile,China Unicom,AsiaInfo | revised |  | S5-215535 |
| S5-215125 | pCR TS 28.100 update generic MnS requirements and solutions for RAN NE deployment | Huawei,China Mobile,China Unicom,AsiaInfo | revised |  | S5-215536 |
| S5-215126 | Rel-17 CR TS 28.536 Update the definition for attribute observationTime | Huawei | revised |  | S5-215548 |
| S5-215127 | Rel-17 CR TS 28.658 Update the atttibute sNSSAIList to align with NR NRM | Huawei | agreed |  |  |
| S5-215128 | Rel-17 CR TS 28.658 Align the attribute table with the latest template | Huawei | agreed |  |  |
| S5-215129 | Rel-17 CR TS 28.658 Update the scope to be applicable for SBMA | Huawei | not pursued |  |  |
| S5-215130 | Rel-17 CR TS 28.622 Update the scope to be applicable for SBMA | Huawei | not pursued |  |  |
| S5-215131 | Rel-17 CR TS 28.662 Update the scope to be applicable for SBMA | Huawei | not pursued |  |  |
| S5-215132 | Rel-17 CR TS 28.659 Provide YAML solution set for EUTRAN NRM | Huawei | not pursued |  |  |
| S5-215133 | Rel-17 CR TS 28.663 Provide YAML solution set for RAN NRM | Huawei | not pursued |  |  |
| S5-215134 | pCR TR 28.925 Add key issue on software management feature in SBMA for 5G | Huawei | revised |  | S5-215617 |
| S5-215135 | pCR TR 28.925 Add key issue on inventory management in SBMA | Huawei | revised |  | S5-215618 |
| S5-215136 | pCR 28.538 EASFunction definition | Samsung Research America | revised |  | S5-215565 |
| S5-215137 | pCR 28.819 Add test task CRUD in 6.4 Tests’ management | China Mobile Com. Corporation | revised |  | S5-215528 |
| S5-215138 | pCR 28.819 Definition of test orchestration and test task | China Mobile Com. Corporation | revised |  | S5-215529 |
| S5-215139 | pCR 28.538 Fixing EASRequirement Arrowhead | Samsung Research America | revised |  | S5-215566 |
| S5-215140 | pCR 28.819 Supplyment to the use case of providing vendor feedback | China Mobile Com. Corporation | revised |  | S5-215614 |
| S5-215141 | pCR 28.538 EESFunction definition | Samsung Research America | noted |  |  |
| S5-215142 | pCR 28.819 Use case of environment data collection | China Mobile Com. Corporation | revised |  | S5-215615 |
| S5-215143 | pCR 28.819 Use case of test orchestration | China Mobile Com. Corporation | revised |  | S5-215616 |
| S5-215144 | pCR 28.538 ECSFunction definition | Samsung Research America | noted |  |  |
| S5-215145 | pCR 28.538 EES Lifecycle Management usecase and requirements | Samsung Research America | revised |  | S5-215568 |
| S5-215146 | pCR 28.538 ECS Lifecycle Management usecase and requirements | Samsung Research America | revised |  | S5-215569 |
| S5-215147 | pCR 28.538 Using DNFuncton for EDN | Samsung Research America | noted |  |  |
| S5-215148 | pCR 28.538 Defining EdgeDataNetwork for EDN | Samsung Research America | approved |  |  |
| S5-215149 | DP on modelling of EDN | Samsung Research America | endorsed |  |  |
| S5-215150 | Add description of fault prediction analysis | China Mobile Com. Corporation | revised |  | S5-215637 |
| S5-215151 | Add alarm related incident analysis use case | China Mobile Com. Corporation | noted |  |  |
| S5-215152 | Solution for exposed MnS discovery service | Alibaba Group | noted |  |  |
| S5-215153 | TD on related concept of intent | China Mobile Com. Corporation | noted |  |  |
| S5-215154 | Collection of useful endorsed document and external communication documents | SA5 Vice chair (Huawei) | noted | S5-214301 |  |
| S5-215155 | New SID on Key Quality Indicators(KQIs)for 5G service experience | Huawei, China Mobile, China Telecom, AsiaInfo, CATT, China Unicom | revised |  | S5-215496 |
| S5-215156 | pCR TR 28.813 Key Issue 7-Area based energy efficiency improvement | Huawei | revised |  | S5-215574 |
| S5-215157 | pCR TS 28.100 Add autonomous network level for service experience optimization | Huawei | noted |  |  |
| S5-215158 | pCR 28.104 Add E2E latency analysis\_CMT | Huawei | noted |  |  |
| S5-215159 | pCR 28.104 Add service experience analysis | Huawei | revised |  | S5-215653 |
| S5-215160 | Mapping SupportIOCs to YANG | Ericsson Hungary Ltd | not pursued |  |  |
| S5-215161 | pCR 28.104 Add network slice throughput analysis | Huawei | revised |  | S5-215659 |
| S5-215162 | pCR 28.104 Add MDA common attributes | Huawei | noted |  |  |
| S5-215163 | Add new common types for YANG | Ericsson Hungary Ltd | revised |  | S5-215572 |
| S5-215164 | Charging aspects of Architecture Enhancement for NR Reduced Capability Devices | China Mobile Com. Corporation | revised |  | S5-215455 |
| S5-215165 | New WID on enhancement of autonomous network levels | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Intel | noted |  |  |
| S5-215166 | pCR TS 28.100 update the description for generic functional requirements | China Mobile, Huawei, AsiaInfo, China Unicom | revised |  | S5-215537 |
| S5-215167 | pCR TS 28.100 update generic MnS requirements and solutions for fault management | China Mobile, Huawei, AsiaInfo, China Unicom | revised |  | S5-215538 |
| S5-215168 | pCR TS 28.100 rapporteur clean up | China Mobile | approved |  |  |
| S5-215169 | LS to ITU-T SG2 on autonomous network levels | China Mobile | revised |  | S5-215539 |
| S5-215170 | pCR 32.846 Add evaluation and conclusion for 5G ProSe Direct Discovery charging | CATT | approved |  |  |
| S5-215171 | pCR 32.846 Add evaluation and conclusion for 5G ProSe Direct Communication charging | CATT | revised |  | S5-215603 |
| S5-215172 | pCR 32.846 Add evaluation and conclusion for charging based on QoS flow | CATT | revised |  | S5-215464 |
| S5-215173 | pCR 32.846 Add conclusions and recommendations | CATT | revised |  | S5-215460 |
| S5-215174 | pCR 32.846 pCR 32.846 Rapporteur's clean-up | CATT | revised |  | S5-215461 |
| S5-215175 | pCR 32.846 Refinements on architectures for 5G ProSe charging | CATT | approved |  |  |
| S5-215176 | Presentation of TR 32.846 for information | CATT | noted |  |  |
| S5-215177 | New WID on charging aspects of Proximity-based Services in 5GS | CATT | revised |  | S5-215458 |
| S5-215178 | Adding Signalling Based Activation for UTRAN and LTE | Ericsson LM | not pursued |  |  |
| S5-215179 | Apply SOA models to eSBMA | China Unicom, Huawei | noted | S5-214170 |  |
| S5-215180 | New SID on Digital twin for network management | CMCC | noted |  |  |
| S5-215181 | New SID on Federated learning for mobile network management | CMCC | noted |  |  |
| S5-215182 | Add intent database query requirements for use cases of intent driven management | CMCC | noted |  |  |
| S5-215183 | Add judge requirements for use cases of intent driven management | CMCC | noted |  |  |
| S5-215184 | TS 28.312 Add relationInfo for intent management | CMCC | noted |  |  |
| S5-215185 | TS 28.531 Correction of the SLA management related requirements and procedure | CMCC | not pursued |  |  |
| S5-215186 | Add maxnumber of PDU Sessions in NsacfInfoSnssai | CMCC | revised |  | S5-215643 |
| S5-215187 | Add serving area information for NSACF discovery and selection | CMCC | revised |  | S5-215644 |
| S5-215188 | Enhance NRM to support local NEF selection | CMCC | revised |  | S5-215645 |
| S5-215189 | Updata NRM to support EASDF | CMCC | revised |  | S5-215646 |
| S5-215190 | Rel-17 CR 28.532 Enhance creatMOI, deleteMOI, and notifications to support asynchronous mode | Intel Corporation (UK) Ltd | not pursued |  |  |
| S5-215191 | pCR 28.538 add procedures for EAS LCM | Intel Corporation (UK) Ltd | revised |  | S5-215570 |
| S5-215192 | pCR 28.538 add use cases and requirements for EAS and 5GC NF performance assurance | Intel Corporation (UK) Ltd | approved |  |  |
| S5-215193 | pCR 28.538 add procedures for EAS EAS and 5GC NF performance assurance | Intel Corporation (UK) Ltd | revised |  | S5-215571 |
| S5-215194 | YANG Solution Set for Generic Radio Access Network NRM | Ericsson Hungary Ltd | not pursued |  |  |
| S5-215195 | Rel-17 CR 28.552 Add Time-domain average Maximum Scheduled Layer Number for MIMO scenario | China Unicom, CATT, ZTE, HUAWEI, ERICSSON | revised |  | S5-215650 |
| S5-215196 | Discussion on measurement of scheduled layer number | China Unicom, CATT, ZTE, HUAWEI, ERICSSON | endorsed |  |  |
| S5-215197 | pCR 28.104 Paging Optimization usecase and requirements | Samsung Research America | noted |  |  |
| S5-215198 | pCR 28.104 Traffic Projection usecase and requirements | Samsung Research America | revised |  | S5-215561 |
| S5-215199 | pCR 28.104 HO Optimization usecase and requirements | Samsung Research America | noted |  |  |
| S5-215200 | pCR 28.104 Software Management usecase and requirements | Samsung Research America | noted |  |  |
| S5-215201 | Add MDT polluted measurement indication for trace record in NR | Ericsson Japan K-K | revised |  | S5-215641 |
| S5-215202 | Rel-17 PCR TS 28.104 add coverage analysis use case | Huawei | noted |  |  |
| S5-215203 | Rel-17 PCR TS 28.104 Add alarm incident analysis use case requirement | Huawei | noted |  |  |
| S5-215204 | Rel-17 PCR TS 28.104 Add alarm incident analysis solution | Huawei | noted |  |  |
| S5-215205 | Rel-17 pCR 28.104 Add KPI anomaly analysis use case | Huawei | noted |  |  |
| S5-215206 | Rel-17 PCR TS 28.104 add mobility management use case requirement | Huawei | approved |  |  |
| S5-215207 | Rel-17 PCR TS 28.104 add Generic MDA management workflow | Huawei | noted |  |  |
| S5-215208 | Rel-17 pCR TS 28.104 Add MDA analysis report reporting related service component | Huawei | noted |  |  |
| S5-215209 | pCR Add structure for TS 28.104 | Huawei | merged |  | S5-215657 |
| S5-215210 | Discussion on the skeleton of TS 28.104 | Huawei | noted |  |  |
| S5-215211 | Rel-17 CR 28.313 Add C-SON CCO control information | Huawei | not pursued |  |  |
| S5-215212 | Rel-17 CR 28.541 Add C-SON CCO NRM model | Huawei | not pursued |  |  |
| S5-215213 | Reply LS on QoE Reference and maximum number of QoE configurations in RRC | Huawei | approved |  |  |
| S5-215214 | Add new adminstrative messages in GPB trace record format | Ericsson Japan K-K | agreed |  |  |
| S5-215215 | Add new requirements for throttled trace recording session | Ericsson Japan K-K | agreed |  |  |
| S5-215216 | Reply LS on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | Ericsson Japan K-K | revised |  | S5-215493 |
| S5-215217 | Rel-17 pCR TS 28.104 add MDA assisted Energy Saving use case | Huawei | noted |  |  |
| S5-215218 | Charging aspects in SA2 WIDs for Rel-17 | Matrixx, Huawei | noted |  |  |
| S5-215219 | 28.817 fix editorial issues | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-215220 | enhance SBMA to support access control | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-215221 | enhance request-response communication paradigm to support access contro | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-215222 | enhance generic NRM to support authentication of MnS consumer, stage 2 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-215223 | enhance generic NRM to support authentication of MnS consumer, stage 3 | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-215224 | enhance generic management service to support authentication of MnS consumer, stage 2 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-215225 | enhance generic management service to support authentication of MnS consumer, stage 3 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-215226 | TD enhance management service to support authentication | Nokia, Nokia Shanghai Bell | revised |  | S5-215573 |
| S5-215227 | Discussion paper on charging roaming profile handling | Ericsson LM | noted |  |  |
| S5-215228 | Discussion paper on overlapping triggers | Ericsson LM | noted |  |  |
| S5-215229 | Rel-17 CR 32.290 Correcting charging identifier handling | Ericsson LM | revised |  | S5-215466 |
| S5-215230 | Rel-17 CR 32.255 Correcting charging identifier for NF set | Ericsson LM | revised |  | S5-215605 |
| S5-215231 | Rel-17 CR 32.255 Correcting missing termination in V-SMF change | Ericsson LM | agreed |  |  |
| S5-215232 | Rel-17 CR 32.255 Correcting unit count inactivity timer enablement | Ericsson LM | revised |  | S5-215604 |
| S5-215233 | Rel-16 CR 32.255 Correcting UPF trigger in QBC | Ericsson LM | agreed |  |  |
| S5-215234 | Rel-17 CR 32.255 Correcting UPF trigger in QBC | Ericsson LM | agreed |  |  |
| S5-215235 | Rel-17 CR 32.291 Addition of IMS charging information data types | Ericsson LM | revised |  | S5-215456 |
| S5-215236 | Rel-17 CR 32.291 Addition of IMS charging information enumerations | Ericsson LM | agreed |  |  |
| S5-215237 | Rel-17 CR 32.291 Addition of IMS charging information general types | Ericsson LM | revised |  | S5-215457 |
| S5-215238 | Rel-17 CR 32.291 Correction of IMS charging information | Ericsson LM | revised |  | S5-215454 |
| S5-215239 | Rel-17 pCR 28.822 Correction of 5G VN group management | Ericsson LM | approved |  |  |
| S5-215240 | Rel-17 pCR 28.826 Addition of introduction and scope | Ericsson LM | revised |  | S5-215469 |
| S5-215241 | Rel-17 pCR 28.826 Study document structure | Ericsson LM | approved |  |  |
| S5-215242 | Rel-17 pCR 28.826 Addition of overview | Ericsson LM | revised |  | S5-215470 |
| S5-215243 | Rel-17 pCR 28.826 Key issue on charging information | Ericsson LM | revised |  | S5-215594 |
| S5-215244 | Rel-17 pCR 28.827 New possible solution for use case #2a | Ericsson LM | approved |  |  |
| S5-215245 | Rel-17 pCR 28.827 Use case for additional actor does retail charging for home UE | Ericsson LM | revised |  | S5-215471 |
| S5-215246 | Rel-17 pCR 28.827 Use case for additional actor does retail charging for roaming UE | Ericsson LM | revised |  | S5-215472 |
| S5-215247 | Rel-17 pCR 28.827 Use case for home MNO does wholesale charging towards additional actor | Ericsson LM | revised |  | S5-215660 |
| S5-215248 | Rel-16 CR 32.422 Introduce missing references | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-215249 | Rel-17 CR 32.422 Introduce missing references | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-215250 | Rel-16 CR 28.622 Introduce missing references | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-215251 | Rel-17 Input to DraftCR 28.622 Add data collection job to allow consumers without detailed knowledge of the network to request for data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-215252 | Rel-17 CR 28.541 Update relationship between GST and Network Slice NRM fragment | TELEFONICA S.A. | revised |  | S5-215649 |
| S5-215253 | Simplified Request for Management Data Collection | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-215254 | New SID on Intent driven management related to core network | Huawei | noted |  |  |
| S5-215255 | pCR 28.100 Add generic autonomous network level for 5GC NF deployment | Huawei, China Mobile | noted |  |  |
| S5-215256 | Rel-16 CR 28.531 Technical errors in use case descriptions | Huawei | revised |  | S5-215501 |
| S5-215257 | Rel-17 CR 28.531 Technical errors in use case descriptions | Huawei | revised |  | S5-215502 |
| S5-215258 | Rel16 CR 28.541 cNSIID description clarification | Huawei | revised |  | S5-215508 |
| S5-215259 | Rel17 CR 28.541 cNSIID description clarification | Huawei | revised |  | S5-215509 |
| S5-215260 | Rel16 CR 28.541 Correct NRM for AMFRegion and AMFSet | Huawei | merged |  | S5-215505 |
| S5-215261 | Rel17 CR 28.541 Correct NRM for AMFRegion and AMFSet | Huawei | revised |  | S5-215510 |
| S5-215262 | Rel-17 Input to Draft CR 28.622 Add management service type definition | Huawei | revised |  | S5-215558 |
| S5-215263 | Rel-17 Input to Draft CR 28.623 Add management service type definition | Huawei | revised |  | S5-215559 |
| S5-215264 | Rel-17 Discussion Isolation level | Huawei | endorsed |  |  |
| S5-215265 | pCR 28.104 MDA role in cross-domain service assurance | Huawei | approved |  |  |
| S5-215266 | pCR 28.104 Add example of MDA producers and consumers | Huawei | revised |  | S5-215638 |
| S5-215267 | pCR 28.538 add ECSFunction IOC | Huawei | revised |  | S5-215567 |
| S5-215268 | pCR 28.538 lifecycle management requirement for ECS | Huawei | merged |  | S5-215569 |
| S5-215269 | pCR 28.538 add transport view from EDN to 5GC | Huawei | approved |  |  |
| S5-215270 | Rel17 CR 28.541 Adding transport view NRM from 5GC to EDN | Huawei | agreed |  |  |
| S5-215271 | pCR 28.811 Improvement of requirements | Huawei | approved |  |  |
| S5-215272 | pCR 28.811 RAN sharing solutions | Huawei, Ericsson | revised |  | S5-215576 |
| S5-215273 | Rel-17 draftCR 28.537 Add requirements for data management | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-215274 | Add MDA Reporting Control | Nokia Germany | noted |  |  |
| S5-215275 | Add MDA Reporting | Nokia Germany | noted |  |  |
| S5-215276 | Add MDA Production and Reporting Overview | Nokia Germany | noted |  |  |
| S5-215277 | New WID on Network Slice Provisioning Enhancement | Samsung Research America | revised |  | S5-215497 |
| S5-215278 | eCOSLA for creating closed loops | Nokia Germany | noted |  |  |
| S5-215279 | Rel-17 CR TS 28.540 Add requirement to support multiple SSBs in a carrier | CALTTA | not pursued |  |  |
| S5-215280 | Discussion on support for multiple SSBs in a carrier | CALTTA | noted |  |  |
| S5-215281 | Discussion on analysis and comparison of potential solutions | CALTTA | noted |  |  |
| S5-215282 | pCR 28.825 Add analysis and comparison of potential solutions | CALTTA | noted |  |  |
| S5-215283 | pCR 28.825 Add potential solution for NRM enhancement to support NG-RAN sharing | CALTTA | revised |  | S5-215621 |
| S5-215284 | Discussion on Intent Model | Nokia Germany | noted |  |  |
| S5-215285 | Description of Information Elements of an Intent | Nokia Germany | noted |  |  |
| S5-215286 | Extend Attributes of the Intent IOC | Nokia Germany | merged |  | S5-215540 |
| S5-215287 | New SID on new network resource usage type for charging in the 5G System (5GS) | Huawei | revised |  | S5-215602 |
| S5-215288 | New WID on Charging Aspects of 5G LAN VN Group | Huawei | revised |  | S5-215459 |
| S5-215289 | Rel-17 pCR 28.815 Addition the eCHF for inter-provider based charging | Huawei | noted |  |  |
| S5-215290 | Rel-17 pCR 28.822 Addition of NEF (CEF) solution for 5G VN group management | Huawei | noted |  |  |
| S5-215291 | Rel-17 pCR 28.822 Addition of the solution for usage of 5G VN group communication | Huawei | revised |  | S5-215584 |
| S5-215292 | Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group communication | Huawei | revised |  | S5-215592 |
| S5-215293 | Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group management | Huawei | revised |  | S5-215595 |
| S5-215294 | Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group traffic forwarding | Huawei | revised |  | S5-215585 |
| S5-215295 | Rel-17 pCR 28.822 Addition of the Conclusions and Recommendations | Huawei | revised |  | S5-215600 |
| S5-215296 | Rel-17 pCR 32.847 Addition of background about NSPA Charging | Huawei | revised |  | S5-215587 |
| S5-215297 | Rel-17 CR 32.255 Addition of QoS Monitoring to Assist URLLC Service | Huawei | revised |  | S5-215465 |
| S5-215298 | Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service | Huawei | withdrawn |  |  |
| S5-215299 | Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service | Huawei | withdrawn |  |  |
| S5-215300 | Rel-17 CR 32.255 Correction on Redundant Transmission Indication | Huawei | agreed |  |  |
| S5-215301 | pCR Discussion paper on Response Code in Yaml and Response Body Table | Huawei | noted |  |  |
| S5-215302 | Rel-17 CR 32.291 Correction on the HTTP status code | Huawei | not pursued |  |  |
| S5-215303 | Rel-17 CR 32.291 Support of stateless CHFs | Huawei | not pursued |  |  |
| S5-215304 | Discussion paper on Charging Identifier Correlation | Huawei | noted |  |  |
| S5-215305 | Rel-16 CR CR 32.255 Correction on the Charging ID Uniqueness | Huawei | not pursued |  |  |
| S5-215306 | Rel-17 CR CR 32.255 Correction on the Charging ID Uniqueness | Huawei | not pursued |  |  |
| S5-215307 | Rel-16 CR CR 32.291 Correction on the Charging ID Uniqueness | Huawei | not pursued |  |  |
| S5-215308 | Rel-17 CR CR 32.291 Correction on the Charging ID Uniqueness | Huawei | not pursued |  |  |
| S5-215309 | Rel-16 CR CR 32.298 Correction on the Charging ID Uniqueness | Huawei | not pursued |  |  |
| S5-215310 | Rel-17 CR CR 32.298 Correction on the Charging ID Uniqueness | Huawei | not pursued |  |  |
| S5-215311 | Rel-16 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change | Huawei | revised |  | S5-215475 |
| S5-215312 | Rel-17 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change | Huawei | revised |  | S5-215476 |
| S5-215313 | Rel-16 CR 32.298 Alignment of the charging data request and response | Huawei | revised |  | S5-215580 |
| S5-215314 | Rel-17 CR 32.298 Alignment of the charging data request and response | Huawei | revised |  | S5-215581 |
| S5-215315 | Rel-16 CR 32.291 Alignment of the charging data request and response | Huawei | revised |  | S5-215582 |
| S5-215316 | Rel-17 CR 32.291 Alignment of the charging data request and response | Huawei | revised |  | S5-215583 |
| S5-215317 | Rel-17 pCR 28.827 Addition the new solution in the Topic 7.2 | Huawei | revised |  | S5-215598 |
| S5-215318 | Rel-17 pCR 28.827 Addition of the LBO message flows for Topic 7.1 | Huawei | revised |  | S5-215597 |
| S5-215319 | Rel-17 pCR 28.827 Clarification on the use cases and key issues for Topic 7.1 | Huawei | revised |  | S5-215596 |
| S5-215320 | Rel-17 pCR 28.827 Addition of the LBO,HR and BCE in Concept and Overview | Huawei | revised |  | S5-215589 |
| S5-215321 | Rel-17 pCR 28.827 Clarify the Business Role | Huawei | revised |  | S5-215588 |
| S5-215322 | Rel-17 pCR 28.826 Add the topic for Enhancement of input to CHF Rating | Huawei | revised |  | S5-215591 |
| S5-215323 | Rel-17 pCR 28.826 Add the topic for Non-blocking Mode Enhancement | Huawei | revised |  | S5-215590 |
| S5-215324 | Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service | Huawei | revised |  | S5-215467 |
| S5-215325 | Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service | Huawei | revised |  | S5-215468 |
| S5-215326 | Add PM on Handover failures per beam related to MRO for intra-system mobility | Nokia Germany | not pursued |  |  |
| S5-215327 | pCR draft TS28.104, add use case and requirements for MDA historical data | NEC, Intel | noted |  |  |
| S5-215328 | Adding NRBeamCellRelation Stage 2 | Nokia Germany | not pursued |  |  |
| S5-215329 | was214711 pCR 28.815 Add ECS charging information aggregation and technical solution | Huawei Tech.(UK) Co.. Ltd | revised |  | S5-215593 |
| S5-215330 | pCR 28.815 Add evaluation of possible solution for aggregated charging | Huawei Tech.(UK) Co.. Ltd | noted |  |  |
| S5-215331 | pCR 28.816 Add solution of 5GS CIoT access service | Huawei Tech.(UK) Co.. Ltd | revised |  | S5-215477 |
| S5-215332 | Introduction of average value of scheduled MIMO layers per PRB | CMCC, ZTE, Huawei, Ericsson | agreed |  |  |
| S5-215333 | pCR 28.816 remove editor note in clause 5.4.1.2.4 | Huawei Tech.(UK) Co.. Ltd | approved |  |  |
| S5-215334 | pCR 28.816 Add evaluation of enhancements to 5G data connectivity domain charging | Huawei Tech.(UK) Co.. Ltd | revised |  | S5-215478 |
| S5-215335 | pCR 28.816 Add evaluation of enhancements to control plane data transfer domain charging | Huawei Tech.(UK) Co.. Ltd | revised |  | S5-215601 |
| S5-215336 | pCR 28.816 Add evaluation of enhancements to monitoring event domain charging | Huawei Tech.(UK) Co.. Ltd | revised |  | S5-215479 |
| S5-215337 | pCR 28.816 Add conclusion and recommendations | Huawei Tech.(UK) Co.. Ltd | revised |  | S5-215586 |
| S5-215338 | Discussion on Introduction of average value of scheduled MIMO layers per PRB | CMCC, ZTE, Huawei, Ericsson | endorsed |  |  |
| S5-215339 | Rel-16 CR DMRO correction | Ericsson France S.A.S | revised |  | S5-215511 |
| S5-215340 | Rel-17 CR DMRO correction | Ericsson France S.A.S | revised |  | S5-215512 |
| S5-215341 | Rel-16 CR Correct maximumDeviationHoTrigger | Ericsson France S.A.S | not pursued |  |  |
| S5-215342 | Rel-17 CR Correct maximumDeviationHoTrigger | Ericsson France S.A.S | not pursued |  |  |
| S5-215343 | Rel-16 CR Correct handover execution failure measurement | Ericsson France S.A.S | revised |  | S5-215514 |
| S5-215344 | Rel-17 CR Correct handover execution failure measurement | Ericsson France S.A.S | revised |  | S5-215515 |
| S5-215345 | Rel-16 Update handover measurements | Ericsson, Telefonica, Nokia, CMCC,China Telecom | revised |  | S5-215516 |
| S5-215346 | Rel-17 Update handover measurements | Ericsson, Telefonica, Nokia, CMCC,China Telecom | revised |  | S5-215517 |
| S5-215347 | RAN Sharing NRM support for MOCN | Ericsson LM | revised | S5-212270 | S5-215534 |
| S5-215348 | Adding NRBeamCellRelation Stage 3 | Nokia Germany | not pursued |  |  |
| S5-215349 | pCR TR 28.824 Add use case for the exposure of network slice as a product | Orange, AT&T, Telefonica, Huawei, Ericsson, Nokia, Deutsche Telekom | revised |  | S5-215523 |
| S5-215350 | Rel-16 CR 32.158 Add more examples on how to use provisioning operations | Nokia, Nokia Shanghai Bell | revised | S5-214392 | S5-215648 |
| S5-215351 | Rel-16 CR 28.622 Add missing definitions of common data types | Nokia, Nokia Shanghai Bell | not pursued | S5-213207 |  |
| S5-215352 | Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (REST SS, OpenAPI definition) | Nokia, Nokia Shanghai Bell, Huawei, Samsung | not pursued | S5-214401 |  |
| S5-215353 | Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2) | Nokia, Nokia Shanghai Bell, Huawei, Samsung | not pursued | S5-214412 |  |
| S5-215354 | pCR TS28.104 add use case for MDA assisted Energy Saving analysis | AsiaInfo Technologies Inc | noted |  |  |
| S5-215355 | pCR Solutions and Recommendations for RAN Sharing Scenario | Ericsson LM | revised |  | S5-215577 |
| S5-215356 | Rel-17 CR 28.160 Amend stage 2 NRM specification template | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-215357 | Add Exception Reporting Support to PM File Format Definition | Ericsson LM | not pursued | S5-214306 |  |
| S5-215358 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | not pursued | S5-214308 |  |
| S5-215359 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | not pursued | S5-214310 |  |
| S5-215360 | Rel-17 Input to DraftCR 28.622 Amend file retrieval NRM fragment | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-215361 | Rel-17 Input to DraftCR 28.622 Add file download control NRM fragment | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-215362 | Rel-17 Input to DraftCR 28.537 Add requirements for managing external management data | Nokia, Nokia Shanghai Bell | noted | S5-213211 |  |
| S5-215363 | Rel-17 Input to DraftCR 28.537 Add requirements for context data | Nokia, Nokia Shanghai ell | noted |  |  |
| S5-215364 | Rel-17 Input to DraftCR 28.622 Add implicit subscriptions for notifyFileReady to PerfMetricJob | Nokia, Nokia Shanghai Bell | approved | S5-214384 |  |
| S5-215365 | Rel-17 Input to DraftCR 28.622 Add solution for reporting and storing data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-215366 | Discussion paper on MDA assisted energy saving to provide energySaving state information in output | China Telecom, AsiaInfo | noted |  |  |
| S5-215367 | pCR TS 28.312 Add subsequence procedure after the intent MOI created | AsiaInfo Technologies Inc,huawei | approved |  |  |
| S5-215368 | Correction of YANG Solution set | Ericsson Hungary Ltd | revised |  | S5-215513 |
| S5-215369 | pCR TS 28.312 Add procedure of query an intent MOI | AsiaInfo Technologies Inc,huawei | approved |  |  |
| S5-215370 | pCR 28.824 Add use case for Publishing rule for management capability exposure | AsiaInfo Technologies Inc,Alibaba Group | noted |  |  |
| S5-215371 | pCR 28.824 possible solution to support eMnS discovery service | AsiaInfo Technologies Inc,Alibaba Group | revised |  | S5-215578 |
| S5-215372 | Adding Managemnt Based Activation in NR | Ericsson LM | noted |  |  |
| S5-215373 | Discussion paper on MDA assisted energy saving to provide necessary information in output | China Telecom, AsiaInfo | endorsed |  |  |
| S5-215374 | pCR TR 28.824 Types of interfaces for the exposure of network slice | Orange | revised |  | S5-215524 |
| S5-215375 | pCR 28.813 Add conclusion to Key Issue #2a | China Telecom | revised |  | S5-215575 |
| S5-215376 | New SID Study on AI/ML management | Intel, NEC, Orange, Verizon, China Telecom, China Unicom, Samsung, CATT, ZTE, AT&T, Deutsche Telekom, Telefónica S.A., Lenovo, Motorola Mobility, China Mobile, US Cellular | noted |  |  |
| S5-215377 | Discussion paper on necessary inputs and outputs for MDA assisted energy saving analysis | China Telecom, AsiaInfo | noted |  |  |
| S5-215378 | pCR Add structure for TS 28.104 | Intel, NEC, China Telecom, China Mobile | revised |  | S5-215657 |
| S5-215379 | pCR 28.104 Add MDA capability for coverage problem analysis | Intel, NEC | noted |  |  |
| S5-215380 | pCR 28.104 Add ML support for MDA | Intel | revised |  | S5-215658 |
| S5-215381 | pCR 28.104 Add common information elements of analytics outputs | Intel, NEC, China Telecom | noted |  |  |
| S5-215382 | CR Rel-17 28.552 Add measurements related to AM policy authorization for PCF | Intel Belgium SA/NV | agreed |  |  |
| S5-215383 | CR Rel-17 28.552 Add measurements related to SM policy authorization for PCF | Intel Belgium SA/NV | agreed |  |  |
| S5-215384 | CR Rel-17 28.552 Add measurements related to event exposure for PCF | Intel Belgium SA/NV | agreed |  |  |
| S5-215385 | Initial skeleton (v0.0.0) of TS 32.257 | Intel Sweden AB | noted |  |  |
| S5-215386 | pCR Add structure for TS 32.257 | Intel Sweden AB | revised |  | S5-215462 |
| S5-215387 | pCR Add overview for TS 32.257 | Intel Sweden AB | revised |  | S5-215463 |
| S5-215388 | pCR 28.815 Add solutions on charging for 5GS usage based on monitored QoS | Intel Sweden AB | revised |  | S5-215599 |
| S5-215389 | DP on 3GPP CICD Functional Framework | China Mobile Com. Corporation | noted |  |  |
| S5-215390 | Rel-17 CR 28.541 Introduce missing GST references | TELEFONICA S.A. | revised |  | S5-215640 |
| S5-215391 | R15 CR 28533-f50 Correcting the Scope | Ericsson Inc. | revised | S5-214440 | S5-215518 |
| S5-215392 | R16 CR 28533-g70 Correcting the Scope | Ericsson Inc. | revised | S5-214442 | S5-215519 |
| S5-215393 | R17 CR 28533-h00 Correcting the Scope | Ericsson Inc. | revised |  | S5-215520 |
| S5-215394 | Input to Draft CR 28.622 Define solution for data discovery | Ericsson Telecomunicazioni SpA | noted |  |  |
| S5-215395 | Enhance 5G Core managed NF Profile NRM fragment (Stage 2) | Nokia Germany, Orange, DT, Telefonica | revised |  | S5-215487 |
| S5-215396 | Input to Draft CR 28.537 Define solution for data discovery | Ericsson Telecomunicazioni SpA | revised |  | S5-215492 |
| S5-215397 | New SID Study on measurement data collection to support RAN intelligence | Intel Corporation (UK) Ltd, Verizon, AT&T | noted |  |  |
| S5-215398 | Align content with the definition of Intent | Ericsson Telecomunicazioni SpA | noted |  |  |
| S5-215399 | 5GC NRM enhancements for AMFFunction and ManagedNFProfile (Stage 3) | Nokia Germany | revised |  | S5-215488 |
| S5-215400 | Add definitions around Intent LCM | Ericsson Telecomunicazioni SpA | revised |  | S5-215654 |
| S5-215401 | pCR R17 28925-020 Inventory for 5G | Ericsson Inc. | merged |  | S5-215618 |
| S5-215402 | Updated WID NSA\_SBMA | Ericsson Inc. | agreed |  |  |
| S5-215403 | Update intent information model | Ericsson Telecomunicazioni SpA | merged |  | S5-215540 |
| S5-215404 | Study on Enhancement of the management aspects related to NWDAF | China Telecom | revised |  | S5-215499 |
| S5-215405 | NR NRM additions to support 5GC enhancements (Stage 3) | Nokia Germany | revised |  | S5-215489 |
| S5-215406 | Recommendation on improving OAM discussion efficiency | SA5 Chair, SA5 Vice Chair (Huawei) | noted |  |  |
| S5-215407 | pCR TR28.824 Add NSCE Key issues | Huawei Technologies (Korea) | merged |  | S5-215526 |
| S5-215408 | CR Rel-17 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 2 | Samsung Research America | revised |  | S5-215498 |
| S5-215409 | CR 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 3 | Samsung Research America | not pursued |  |  |
| S5-215410 | Input to draftCR 28.536 Add support for pause point | Lenovo, Motorola Mobility | noted |  |  |
| S5-215411 | pCR - 28.824 Add possible solution for external discovery registration | Lenovo, Motorola Mobility | revised |  | S5-215579 |
| S5-215412 | 28.824 discussion on scope | Lenovo, Motorola Mobility | endorsed |  |  |
| S5-215413 | pCR - 28.819 solution for new NF delivery | Lenovo, Motorola Mobility, CMCC | approved |  |  |
| S5-215414 | pCR - 28.819 solution for feature selection | Lenovo Future Communications | approved |  |  |
| S5-215415 | pCR - 28.819 Add test managemnt service | Lenovo, Motorola Mob., CMCC | approved |  |  |
| S5-215416 | pCR - 28.819 add operational testing in classification | Lenovo Future Communications | approved |  |  |
| S5-215417 | Add operational testing in SID scope | Lenovo Future Communications | approved |  |  |
| S5-215418 | DP tenant representation in 3GPP management system | Ericsson LM, Deutsche Telekom | noted | S5-213134 |  |
| S5-215419 | New Rel-18 SID on network slice provisioning enhancement | Ericsson LM | noted |  |  |
| S5-215420 | New Rel-18 WID on network slice sharing policy | Ericsson LM | noted |  |  |
| S5-215421 | pCR TR 28.824 Correction of figures in exposure scenarios | Ericsson LM, Deutsche Telekom | merged |  | S5-215524 |
| S5-215422 | pCR TR 28.824 Service management scenarios invoked by product order | Ericsson LM, Deutsche Telekom | revised |  | S5-215525 |
| S5-215423 | Rel-15 CR 28.531 Clarify and align service profile modification use case | Ericsson LM | not pursued |  |  |
| S5-215424 | Rel-15 CR 28.531 Correct the allocate output parameters | Ericsson LM | not pursued |  |  |
| S5-215425 | Rel-16 CR 28.531 Correct the allocate output parameters | Ericsson LM | not pursued |  |  |
| S5-215426 | Rel-17 CR 28.531 Correct the allocate output parameters | Ericsson LM | not pursued |  |  |
| S5-215427 | Rel-16 CR 28.530 Remove not used terms from abbreviations list | Ericsson LM | not pursued |  |  |
| S5-215428 | Rel-17 CR 28.530 Remove not used terms from abbreviations list | Ericsson LM | revised |  | S5-215500 |
| S5-215429 | Rel-16 CR 28.531 Clarify service profile modification use case | Ericsson LM | not pursued |  |  |
| S5-215430 | Rel-17 CR 28.531 Clarify service profile modification use case | Ericsson LM | not pursued |  |  |
| S5-215431 | DP on the mission of FS\_NSCE in SA5 | TELEFONICA S.A. | revised |  | S5-215526 |
| S5-215432 | Rel-16 CR 28.541 Correct PLMNInfoList support qualifier | Ericsson LM, Deutsche Telekom | agreed |  |  |
| S5-215433 | Rel-17 CR 28.541 Correct PLMNInfoList support qualifier | Ericsson LM, Deutsche Telekom | agreed |  |  |
| S5-215434 | Rel-16 CR 28.535 Clarify business requirements | Ericsson LM, Deutsche Telekom | revised |  | S5-215521 |
| S5-215435 | Rel-17 CR 28.535 Clarify business requirements | Ericsson LM, Deutsche Telekom | revised |  | S5-215522 |
| S5-215436 | Rel-16 CR 28.530 Correct tenant phrasing | Ericsson LM, Deutsche Telekom AG, Huawei | agreed |  |  |
| S5-215437 | Rel-17 CR 28.530 Correct tenant phrasing | Ericsson LM, Deutsche Telekom AG, Huawei | agreed |  |  |
| S5-215438 | Rel-16 CR 28.541 Clarify tenant relationship with serviceProfileId | Ericsson LM, Deutsche Telekom AG, Huawei | revised |  | S5-215490 |
| S5-215439 | Rel-17 CR 28.541 Clarify tenant relationship with serviceProfileId | Ericsson LM, Deutsche Telekom AG, Huawei | revised |  | S5-215491 |
| S5-215440 | Rel-17 CR TS28.537 clarifications into existing use cases | NEC Corporation | revised |  | S5-215560 |
| S5-215441 | pCR 28.813 conclusion for KI 2a | China Telecom Corporation Ltd. | merged |  | S5-215575 |
| S5-215442 | Reply LS cc SA5 on the mapping between service types and slice at application | S2-2106537 | noted |  |  |
| S5-215443 | Reply LS ccSA5 on UPF support for multiple network slices | S2-2106550 | noted |  |  |
| S5-215444 | LS ccSA5 on 5G capabilities exposure for factories of the future | S2-2106683 | noted |  |  |
| S5-215445 | CH agenda and time plan | WG vice Chair (Matrixx) | approved | S5-215008 | - |
| S5-215446 | Draft TS 32.257 | Intel Sweden | approved | - | - |
| S5-215447 | Draft TR 28.815 | Ericsson | approved | - | - |
| S5-215448 | Draft TR 28.816 | Huawei | approved | - | - |
| S5-215449 | Draft TR 32.846 | CATT | approved | - | - |
| S5-215450 | Draft TR 28.822 | Huawei | approved | - | - |
| S5-215451 | Draft TR 32.847 | Matrixx | approved | - | - |
| S5-215452 | Draft TR 28.826 | Ericsson | approved | - | - |
| S5-215453 | Draft TR 28.827 | Ericsson | approved | - | - |
| S5-215454 | Rel-17 CR 32.291 Correction of IMS charging information | Ericsson LM | agreed | S5-215238 | - |
| S5-215455 | Charging aspects of Architecture Enhancement for NR Reduced Capability Devices | China Mobile Com. Corporation | agreed | S5-215164 | - |
| S5-215456 | Rel-17 CR 32.291 Addition of IMS charging information data types | Ericsson LM | agreed | S5-215235 | - |
| S5-215457 | Rel-17 CR 32.291 Addition of IMS charging information general types | Ericsson LM | agreed | S5-215237 | - |
| S5-215458 | New WID on charging aspects of Proximity-based Services in 5GS | CATT | agreed | S5-215177 | - |
| S5-215459 | New WID on Charging Aspects of 5G LAN VN Group | Huawei | agreed | S5-215288 | - |
| S5-215460 | pCR 32.846 Add conclusions and recommendations | CATT | approved | S5-215173 | - |
| S5-215461 | pCR 32.846 pCR 32.846 Rapporteur's clean-up | CATT | approved | S5-215174 | - |
| S5-215462 | pCR Add structure for TS 32.257 | Intel Sweden AB | approved | S5-215386 | - |
| S5-215463 | pCR Add overview for TS 32.257 | Intel Sweden AB | approved | S5-215387 | - |
| S5-215464 | pCR 32.846 Add evaluation and conclusion for charging based on QoS flow | CATT | approved | S5-215172 | - |
| S5-215465 | Rel-17 CR 32.255 Addition of QoS Monitoring to Assist URLLC Service | Huawei | agreed | S5-215297 | - |
| S5-215466 | Rel-17 CR 32.290 Correcting charging identifier handling | Ericsson LM | agreed | S5-215229 | - |
| S5-215467 | Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service | Huawei | agreed | S5-215324 | - |
| S5-215468 | Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service | Huawei | agreed | S5-215325 | - |
| S5-215469 | Rel-17 pCR 28.826 Addition of introduction and scope | Ericsson LM | approved | S5-215240 | - |
| S5-215470 | Rel-17 pCR 28.826 Addition of overview | Ericsson LM | approved | S5-215242 | - |
| S5-215471 | Rel-17 pCR 28.827 Use case for additional actor does retail charging for home UE | Ericsson LM | approved | S5-215245 | - |
| S5-215472 | Rel-17 pCR 28.827 Use case for additional actor does retail charging for roaming UE | Ericsson LM | approved | S5-215246 | - |
| S5-215473 | Rel-16 CR 32.255 Correction of default chargeable events in SMF for QBC | China Mobile Com. Corporation | agreed | S5-215109 | - |
| S5-215474 | Rel-17 CR 32.255 Correction of default chargeable events in SMF for QBC | China Mobile Com. Corporation | agreed | S5-215111 | - |
| S5-215475 | Rel-16 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change | Huawei | agreed | S5-215311 | - |
| S5-215476 | Rel-17 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change | Huawei | agreed | S5-215312 | - |
| S5-215477 | pCR 28.816 Add solution of 5GS CIoT access service | Huawei Tech.(UK) Co.. Ltd | approved | S5-215331 | - |
| S5-215478 | pCR 28.816 Add evaluation of enhancements to 5G data connectivity domain charging | Huawei Tech.(UK) Co.. Ltd | approved | S5-215334 | - |
| S5-215479 | pCR 28.816 Add evaluation of enhancements to monitoring event domain charging | Huawei Tech.(UK) Co.. Ltd | approved | S5-215336 | - |
| S5-215480 | Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison:  Minutes Legal representative IPR Meeting the 13th of September 2021 and IPR proposal  Liaison AN-SDO2021-10[Document Title] | TMF | replied to | - | - |
| S5-215481 | LS on methodology harmonization update | WG Chair | approved | - | - |
| S5-215482 | Reply LS on slicing management aspects in relation to SEAL (reply to S5-215017) | Ericsson | noted | - | - |
| S5-215483 | Reply LS on Liaison Multi-SDO Autonomous Networks (AN) | WG Chair | approved | - | - |
| S5-215484 | LS to 3GPP OPs on Multi-SDO Autonomous Networks (AN) formal cooperation proposal from TM Forum | WG Chair | approved | - | - |
| S5-215485 | Reply to: LS to SA5 on model deployment and update from OAM to NG-RAN | Intel | noted | - | - |
| S5-215486 | Reply to TM Forum on Intent Management | Ericsson | approved | - | - |
| S5-215487 | Enhance 5G Core managed NF Profile NRM fragment (Stage 2) | Nokia Germany, Orange, DT, Telefonica | agreed | S5-215395 | - |
| S5-215488 | 5GC NRM enhancements for AMFFunction and ManagedNFProfile (Stage 3) | Nokia Germany | agreed | S5-215399 | - |
| S5-215489 | NR NRM additions to support 5GC enhancements (Stage 3) | Nokia Germany | agreed | S5-215405 | - |
| S5-215490 | Rel-16 CR 28.541 Clarify tenant relationship with serviceProfileId | Ericsson LM, Deutsche Telekom AG, Huawei | agreed | S5-215438 | - |
| S5-215491 | Rel-17 CR 28.541 Clarify tenant relationship with serviceProfileId | Ericsson LM, Deutsche Telekom AG, Huawei | agreed | S5-215439 | - |
| S5-215492 | Input to Draft CR 28.537 Define solution for data discovery | Ericsson Telecomunicazioni SpA | approved | S5-215396 | - |
| S5-215493 | Reply to: LS Reply on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | Ericsson Japan K-K | approved | S5-215216 | - |
| S5-215494 | New WID on Self-Configuration of RAN NEs | China Mobile, HUAWEI | agreed | S5-215073 | - |
| S5-215495 | New SID on Fault Supervision Evolution | Huawei | agreed | S5-215105 | - |
| S5-215496 | New SID on Key Quality Indicators(KQIs)for 5G service experience | Huawei, China Mobile, China Telecom, AsiaInfo, CATT, China Unicom | agreed | S5-215155 | - |
| S5-215497 | New WID on Network Slice Provisioning Enhancement | Samsung Research America | agreed | S5-215277 | - |
| S5-215498 | CR Rel-17 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 2 | Samsung Research America | agreed | S5-215408 | - |
| S5-215499 | Study on Enhancement of the management aspects related to NWDAF | China Telecom | agreed | S5-215404 | - |
| S5-215500 | Rel-17 CR 28.530 Remove not used terms from abbreviations list | Ericsson LM | agreed | S5-215428 | - |
| S5-215501 | Rel-16 CR 28.531 Technical errors in use case descriptions | Huawei | agreed | S5-215256 | - |
| S5-215502 | Rel-17 CR 28.531 Technical errors in use case descriptions | Huawei | agreed | S5-215257 | - |
| S5-215503 | Rel-16 CR TS 28.532 Align the description for generic provisioning MnS | Huawei | agreed | S5-215117 | - |
| S5-215504 | Rel-16 CR TS 28.532 Rel-16 CR TS 28.532 Fix the URI description for streaming data report MnS | Huawei | agreed | S5-215120 | - |
| S5-215505 | Correct Class diagram of AMF Region/AMF Set and stage 3 implementation | Nokia, Nokia Shanghai Bell | agreed | S5-215044 | - |
| S5-215506 | Clarify the usage of pLMNId in first entry in pLMNInfoList | Nokia, Nokia Shanghai Bell | agreed | S5-215046 | - |
| S5-215507 | Clarify the usage of pLMNId in first entry in pLMNInfoList | Nokia, Nokia Shanghai Bell | agreed | S5-215047 | - |
| S5-215508 | Rel16 CR 28.541 cNSIID description clarification | Huawei | agreed | S5-215258 | - |
| S5-215509 | Rel17 CR 28.541 cNSIID description clarification | Huawei | agreed | S5-215259 | - |
| S5-215510 | Rel17 CR 28.541 Correct NRM for AMFRegion and AMFSet | Huawei | agreed | S5-215261 | - |
| S5-215511 | Rel-16 CR DMRO correction | Ericsson France S.A.S | agreed | S5-215339 | - |
| S5-215512 | Rel-17 CR DMRO correction | Ericsson France S.A.S | agreed | S5-215340 | - |
| S5-215513 | Correction of YANG Solution set | Ericsson Hungary Ltd | agreed | S5-215368 | - |
| S5-215514 | Rel-16 CR Correct handover execution failure measurement | Ericsson France S.A.S | agreed | S5-215343 | - |
| S5-215515 | Rel-17 CR Correct handover execution failure measurement | Ericsson France S.A.S | agreed | S5-215344 | - |
| S5-215516 | Rel-16 Update handover measurements | Ericsson, Telefonica, Nokia, CMCC,China Telecom | agreed | S5-215345 | - |
| S5-215517 | Rel-17 Update handover measurements | Ericsson, Telefonica, Nokia, CMCC,China Telecom | agreed | S5-215346 | - |
| S5-215518 | R15 CR 28533-f50 Correcting the Scope | Ericsson Inc. | agreed | S5-215391 | - |
| S5-215519 | R16 CR 28533-g70 Correcting the Scope | Ericsson Inc. | agreed | S5-215392 | - |
| S5-215520 | R17 CR 28533-h00 Correcting the Scope | Ericsson Inc. | agreed | S5-215393 | - |
| S5-215521 | Rel-16 CR 28.535 Clarify business requirements | Ericsson LM, Deutsche Telekom | agreed | S5-215434 | - |
| S5-215522 | Rel-17 CR 28.535 Clarify business requirements | Ericsson LM, Deutsche Telekom | agreed | S5-215435 | - |
| S5-215523 | pCR TR 28.824 Add use case for the exposure of network slice as a product | Orange, AT&T, Telefonica, Huawei, Ericsson, Nokia, Deutsche Telekom | approved | S5-215349 | - |
| S5-215524 | pCR TR 28.824 Types of interfaces for the exposure of network slice | Orange | approved | S5-215374 | - |
| S5-215525 | pCR TR 28.824 Service management scenarios invoked by product order | Ericsson LM, Deutsche Telekom | approved | S5-215422 | - |
| S5-215526 | DP on the mission of FS\_NSCE in SA5 | TELEFONICA S.A. | approved | S5-215431 | - |
| S5-215527 | pCR 28.819 Solution dynamic software update and live testing use case | Samsung Research America | approved | S5-215091 | - |
| S5-215528 | pCR 28.819 Add test task CRUD in 6.4 Tests’ management | China Mobile Com. Corporation | approved | S5-215137 | - |
| S5-215529 | pCR 28.819 Definition of test orchestration and test task | China Mobile Com. Corporation | approved | S5-215138 | - |
| S5-215530 | LS to TMF, MEF and GSMA on overall architecture for network slice ordering, provisioning and assurance | Orange | approved | - | - |
| S5-215531 | Rel-17 CR 28.533 Remove MnS Discovery use case and requirement | Huawei | agreed | - | - |
| S5-215532 | Rel-17 CR 28.622 Add support for MnS Discovery | Huawei | agreed | - | - |
| S5-215533 | Rel-17 CR 28.622 Add support for MnS Discovery | Huawei | agreed | - | - |
| S5-215534 | RAN Sharing NRM support for MOCN | Ericsson LM | agreed | S5-215347 | - |
| S5-215535 | pCR TS 28.100 update generic MnS requirements and solutions for network optimization | Huawei,China Mobile,China Unicom,AsiaInfo | approved | S5-215124 | - |
| S5-215536 | pCR TS 28.100 update generic MnS requirements and solutions for RAN NE deployment | Huawei,China Mobile,China Unicom,AsiaInfo | approved | S5-215125 | - |
| S5-215537 | pCR TS 28.100 update the description for generic functional requirements | China Mobile, Huawei, AsiaInfo, China Unicom | approved | S5-215166 | - |
| S5-215538 | pCR TS 28.100 update generic MnS requirements and solutions for fault management | China Mobile, Huawei, AsiaInfo, China Unicom | approved | S5-215167 | - |
| S5-215539 | LS to ITU-T SG2 on autonomous network levels | China Mobile | approved | S5-215169 | - |
| S5-215540 | pCR TS 28.312 Update intent information model | Huawei, China Telecom, China Mobile,AsiaInfo | approved | S5-215094 | - |
| S5-215541 | pCR TS 28.312 Add concrete RadioNetworkExpectation | Huawei, China Telecom, China Mobile, China Unicom | approved | S5-215095 | - |
| S5-215542 | pCR TS 28.312 Update description in clause 4.2.1 andclause 4.2.2 | Huawei, China Telecom, China Mobile, AsiaInfo | approved | S5-215098 | - |
| S5-215543 | pCR 28.556 Add informaiton model definition entities fo Policy | China Mobile Com. Corporation | approved | S5-215074 | - |
| S5-215544 | pCR 28.556 Add class diagram | China Mobile Com. Corporation | approved | S5-215075 | - |
| S5-215545 | pCR 28.556 Add class definition | China Mobile Com. Corporation | approved | S5-215076 | - |
| S5-215546 | pCR 28.556 Add Information attribute definitions | China Mobile Com. Corporation | approved | S5-215077 | - |
| S5-215547 | Rel-17 draft CR 28.313 Add D-LBO and C-LBO procedures | Intel Corporation (UK) Ltd | approved | S5-215062 | - |
| S5-215548 | Rel-17 CR TS 28.536 Update the definition for attribute observationTime | Huawei | agreed | S5-215126 | - |
| S5-215549 | DP on assurance report for closed control loop | Huawei | endorsed | S5-215108 | - |
| S5-215550 | Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop | Huawei | approved | S5-215112 | - |
| S5-215551 | DP on coordination between closed control loop | Huawei | endorsed | S5-215113 | - |
| S5-215552 | Rel-17 Input to draftCR S5-212397 TS 28.535 Update coordination between closed control loops | Huawei | approved | S5-215114 | - |
| S5-215553 | Rel-17 CR 28.541 Add Stage 2 solutions to support D-LBO | Intel Corporation (UK) Ltd | agreed | S5-215064 | - |
| S5-215554 | Rel-17 CR 28.313 Add notifications to D-SON functions of MRO and PCI re-configuration | Intel Corporation (UK) Ltd | agreed | S5-215067 | - |
| S5-215555 | Rel-17 CR TS 28.554 Add definition of ECns | Orange, Huawei | agreed | S5-215048 | - |
| S5-215556 | Rel-17 CR 28.310 Update clause 6.2 for energy saving | Huawei | agreed | S5-215078 | - |
| S5-215557 | Rel-17 CR 28.554 Add Energy Consumption KPI for NG-RAN | Huawei | agreed | S5-215079 | - |
| S5-215558 | Rel-17 Input to Draft CR 28.622 Add management service type definition | Huawei | approved | S5-215262 | - |
| S5-215559 | Rel-17 Input to Draft CR 28.623 Add management service type definition | Huawei | approved | S5-215263 | - |
| S5-215560 | Rel-17 CR TS28.537 clarifications into existing use cases | NEC Corporation | agreed | S5-215440 | - |
| S5-215561 | pCR 28.104 Traffic Projection usecase and requirements | Samsung Research America | approved | S5-215198 | - |
| S5-215562 | pCR 28.314 PnC Concepts and Requirements - SpecificationRequirements | Oy LM Ericsson AB | approved | S5-215039 | - |
| S5-215563 | pCR 28.315 PnC Procedure flows - full spec | Oy LM Ericsson AB | approved | S5-215040 | - |
| S5-215564 | Rel-17 CR TS 28.313 Update procedures for plug and connect to management system | Huawei, China Telecom | agreed | S5-215101 | - |
| S5-215565 | pCR 28.538 EASFunction definition | Samsung Research America | approved | S5-215136 | - |
| S5-215566 | pCR 28.538 Fixing EASRequirement Arrowhead | Samsung Research America | approved | S5-215139 | - |
| S5-215567 | pCR 28.538 add ECSFunction IOC | Huawei | approved | S5-215267 | - |
| S5-215568 | pCR 28.538 EES Lifecycle Management usecase and requirements | Samsung Research America | approved | S5-215145 | - |
| S5-215569 | pCR 28.538 ECS Lifecycle Management usecase and requirements | Samsung Research America | approved | S5-215146 | - |
| S5-215570 | pCR 28.538 add procedures for EAS LCM | Intel Corporation (UK) Ltd | approved | S5-215191 | - |
| S5-215571 | pCR 28.538 add procedures for EAS EAS and 5GC NF performance assurance | Intel Corporation (UK) Ltd | approved | S5-215193 | - |
| S5-215572 | Add new common types for YANG | Ericsson Hungary Ltd | agreed | S5-215163 | - |
| S5-215573 | TD enhance management service to support authentication | Nokia, Nokia Shanghai Bell | endorsed | S5-215226 | - |
| S5-215574 | pCR TR 28.813 Key Issue 7-Area based energy efficiency improvement | Huawei | approved | S5-215156 | - |
| S5-215575 | pCR 28.813 Add conclusion to Key Issue #2a | China Telecom | approved | S5-215375 | - |
| S5-215576 | pCR 28.811 RAN sharing solutions | Huawei, Ericsson | approved | S5-215272 | - |
| S5-215577 | pCR Solutions and Recommendations for RAN Sharing Scenario | Ericsson LM | approved | S5-215355 | - |
| S5-215578 | pCR 28.824 possible solution to support eMnS discovery service | AsiaInfo Technologies Inc,Alibaba Group | approved | S5-215371 | - |
| S5-215579 | pCR - 28.824 Add possible solution for external discovery registration | Lenovo, Motorola Mobility | approved | S5-215411 | - |
| S5-215580 | Rel-16 CR 32.298 Alignment of the charging data request and response | Huawei | agreed | S5-215313 | - |
| S5-215581 | Rel-17 CR 32.298 Alignment of the charging data request and response | Huawei | agreed | S5-215314 | - |
| S5-215582 | Rel-16 CR 32.291 Alignment of the charging data request and response | Huawei | not pursued | S5-215315 | - |
| S5-215583 | Rel-17 CR 32.291 Alignment of the charging data request and response | Huawei | not pursued | S5-215316 | - |
| S5-215584 | Rel-17 pCR 28.822 Addition of the solution for usage of 5G VN group communication | Huawei | approved | S5-215291 | - |
| S5-215585 | Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group traffic forwarding | Huawei | approved | S5-215294 | - |
| S5-215586 | pCR 28.816 Add conclusion and recommendations | Huawei Tech.(UK) Co.. Ltd | approved | S5-215337 | - |
| S5-215587 | Rel-17 pCR 32.847 Addition of background about NSPA Charging | Huawei | approved | S5-215296 | - |
| S5-215588 | Rel-17 pCR 28.827 Clarify the Business Role | Huawei | approved | S5-215321 | - |
| S5-215589 | Rel-17 pCR 28.827 Addition of the LBO,HR and BCE in Concept and Overview | Huawei | approved | S5-215320 | - |
| S5-215590 | Rel-17 pCR 28.826 Add the topic for Non-blocking Mode Enhancement | Huawei | approved | S5-215323 | - |
| S5-215591 | Rel-17 pCR 28.826 Add the topic for Enhancement of input to CHF Rating | Huawei | approved | S5-215322 | - |
| S5-215592 | Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group communication | Huawei | approved | S5-215292 | - |
| S5-215593 | was214711 pCR 28.815 Add ECS charging information aggregation and technical solution | Huawei Tech.(UK) Co.. Ltd | approved | S5-215329 | - |
| S5-215594 | Rel-17 pCR 28.826 Key issue on charging information | Ericsson LM | noted | S5-215243 | - |
| S5-215595 | Rel-17 pCR 28.822 Evaluation and conlusion of 5G VN group management | Huawei | approved | S5-215293 | - |
| S5-215596 | Rel-17 pCR 28.827 Clarification on the use cases and key issues for Topic 7.1 | Huawei | approved | S5-215319 | - |
| S5-215597 | Rel-17 pCR 28.827 Addition of the LBO message flows for Topic 7.1 | Huawei | approved | S5-215318 | - |
| S5-215598 | Rel-17 pCR 28.827 Addition the new solution in the Topic 7.2 | Huawei | approved | S5-215317 | - |
| S5-215599 | pCR 28.815 Add solutions on charging for 5GS usage based on monitored QoS | Intel Sweden AB | approved | S5-215388 | - |
| S5-215600 | Rel-17 pCR 28.822 Addition of the Conclusions and Recommendations | Huawei | approved | S5-215295 | - |
| S5-215601 | pCR 28.816 Add evaluation of enhancements to control plane data transfer domain charging | Huawei Tech.(UK) Co.. Ltd | approved | S5-215335 | - |
| S5-215602 | New SID on new network resource usage type for charging in the 5G System (5GS) | Huawei | noted | S5-215287 | - |
| S5-215603 | pCR 32.846 Add evaluation and conclusion for 5G ProSe Direct Communication charging | CATT | approved | S5-215171 | - |
| S5-215604 | Rel-17 CR 32.255 Correcting unit count inactivity timer enablement | Ericsson LM | agreed | S5-215232 | - |
| S5-215605 | Rel-17 CR 32.255 Correcting charging identifier for NF set | Ericsson LM | agreed | S5-215230 | - |
| S5-215614 | pCR 28.819 Supplyment to the use case of providing vendor feedback | China Mobile Com. Corporation | approved | S5-215140 | - |
| S5-215615 | pCR 28.819 Use case of environment data collection | China Mobile Com. Corporation | approved | S5-215142 | - |
| S5-215616 | pCR 28.819 Use case of test orchestration | China Mobile Com. Corporation | approved | S5-215143 | - |
| S5-215617 | pCR TR 28.925 Add key issue on software management feature in SBMA for 5G | Huawei | approved | S5-215134 | - |
| S5-215618 | pCR TR 28.925 Add key issue on inventory management in SBMA | Huawei | approved | S5-215135 | - |
| S5-215619 | 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,Telefonica | approved | S5-215106 | - |
| S5-215620 | pCR TR 28.825 Add requirement and potential solution for NRM enhancement to support network sharing | China Unicom | approved | S5-215115 | - |
| S5-215621 | pCR 28.825 Add potential solution for NRM enhancement to support NG-RAN sharing | CALTTA | approved | S5-215283 | - |
| S5-215622 | DraftCR for eCOSLA - TS 28.535 | Ericsson | approved | - | - |
| S5-215623 | Latest draft TS 28.557 | Huawei | approved | - | - |
| S5-215624 | Latest draft TS 28.100 | China Mobile | approved | - | - |
| S5-215625 | Latest draft TS 28.312 | Huawei | approved | - | - |
| S5-215626 | Latest draft TS 28.556 | China Mobile | approved | - | - |
| S5-215627 | Latest draft TS 28.104 | Intel | approved | - | - |
| S5-215628 | Latest draft TS 28.314 | Ericsson | approved | - | - |
| S5-215629 | Latest draft TS 28.315 | Ericsson | approved | - | - |
| S5-215630 | Latest draft TS 28.538 | Samsung | approved | - | - |
| S5-215631 | Latest draft TR 28.813 | Orange | approved | - | - |
| S5-215632 | Latest draft TR 28.811 | Huawei | approved | - | - |
| S5-215633 | Latest draft TR 28.824 | Alibaba | approved | - | - |
| S5-215634 | Latest draft TR 28.819 | Lenovo | approved | - | - |
| S5-215635 | Latest draft TR 28.925 | Huawei,Ericsson | approved | - | - |
| S5-215636 | Latest draft TR 28.825 | China Unicom | approved | - | - |
| S5-215637 | Add description of fault prediction analysis | China Mobile Com. Corporation | approved | S5-215150 | - |
| S5-215638 | pCR 28.104 Add example of MDA producers and consumers | Huawei | approved | S5-215266 | - |
| S5-215639 | pCR 28.557 Solution for management of PNI-NPN | Huawei | approved | S5-215080 | - |
| S5-215640 | Rel-17 CR 28.541 Introduce missing GST references | TELEFONICA S.A. | agreed | S5-215390 | - |
| S5-215641 | Add MDT polluted measurement indication for trace record in NR | Ericsson Japan K-K | agreed | S5-215201 | - |
| S5-215642 | Rel-17 CR TS 28.541 Rel-17 CR TS 28.541 Add attribute networkSliceSubnetType for NetworkSliceSubnet IOC | Huawei | agreed | S5-215123 | - |
| S5-215643 | Add maxnumber of PDU Sessions in NsacfInfoSnssai | CMCC | agreed | S5-215186 | - |
| S5-215644 | Add serving area information for NSACF discovery and selection | CMCC | agreed | S5-215187 | - |
| S5-215645 | Enhance NRM to support local NEF selection | CMCC | agreed | S5-215188 | - |
| S5-215646 | Updata NRM to support EASDF | CMCC | agreed | S5-215189 | - |
| S5-215647 | New SID on enhancement on management of NPN | Huawei | agreed | S5-215082 | - |
| S5-215648 | Rel-16 CR 32.158 Add more examples on how to use provisioning operations | Nokia, Nokia Shanghai Bell | agreed | S5-215350 | - |
| S5-215649 | Rel-17 CR 28.541 Update relationship between GST and Network Slice NRM fragment | TELEFONICA S.A. | agreed | S5-215252 | - |
| S5-215650 | Rel-17 CR 28.552 Add Time-domain average Maximum Scheduled Layer Number for MIMO scenario | China Unicom, CATT, ZTE, HUAWEI, ERICSSON | agreed | S5-215195 | - |
| S5-215651 | DraftCR for eSON\_5G – TS 28.313 | Intel | approved | - | - |
| S5-215652 | Rel-17 CR 28.536 Focused ACCL | Samsung Research America | agreed | S5-215096 | - |
| S5-215653 | pCR 28.104 Add service experience analysis | Huawei | approved | S5-215159 | - |
| S5-215654 | Add definitions around Intent LCM | Ericsson Telecomunicazioni SpA | approved | S5-215400 | - |
| S5-215655 | Rel-17 CR 28.313 add RRM related measurements information | Intel Corporation (UK) Ltd | agreed | S5-215061 | - |
| S5-215656 | Rel-17 CR 28.541 Add Stage 3 solutions to support D-LBO | Intel Corporation (UK) Ltd | agreed | S5-215065 | - |
| S5-215657 | pCR Add structure for TS 28.104 | Intel, NEC, China Telecom, China Mobile | approved | S5-215378 | - |
| S5-215658 | pCR 28.104 Add ML support for MDA | Intel | approved | S5-215380 | - |
| S5-215659 | pCR 28.104 Add network slice throughput analysis | Huawei | approved | S5-215161 | - |
| S5-215660 | Rel-17 pCR 28.827 Use case for home MNO does wholesale charging towards additional actor | Ericsson LM | approved | S5-215247 |  |

### A2: Tdoc decision timing

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| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S5-215000 | 21/10/2021 11:58:21 | approved |
| S5-215001 | 21/10/2021 11:58:25 | approved |
| S5-215002 | 21/10/2021 11:59:19 | approved |
| S5-215004 | 21/10/2021 13:59:30 | noted |
| S5-215005 | 21/10/2021 13:59:31 | noted |
| S5-215006 | 27/10/2021 13:41:55 | noted |
| S5-215007 | 27/10/2021 13:41:56 | noted |
| S5-215008 | 22/10/2021 15:49:38 | revised |
| S5-215009 | 22/10/2021 15:50:23 | noted |
| S5-215010 | 21/10/2021 11:59:31 | approved |
| S5-215011 | 21/10/2021 12:01:02 | noted |
| S5-215012 | 21/10/2021 13:59:08 | noted |
| S5-215013 | 21/10/2021 12:00:57 | postponed |
| S5-215014 | 21/10/2021 13:58:50 | postponed |
| S5-215015 | 21/10/2021 12:01:17 | available |
| S5-215016 | 21/10/2021 12:02:15 | available |
| S5-215017 | 21/10/2021 13:55:44 | postponed |
| S5-215018 | 21/10/2021 13:58:03 | noted |
| S5-215019 | 21/10/2021 14:01:37 | postponed |
| S5-215020 | 21/10/2021 12:03:49 | noted |
| S5-215021 | 21/10/2021 12:03:55 | noted |
| S5-215022 | 21/10/2021 13:58:13 | postponed |
| S5-215023 | 21/10/2021 13:58:17 | postponed |
| S5-215024 | 21/10/2021 14:02:12 | noted |
| S5-215025 | 21/10/2021 14:02:47 | available |
| S5-215026 | 21/10/2021 14:03:32 | available |
| S5-215026 | 21/10/2021 14:03:34 | reserved |
| S5-215026 | 21/10/2021 14:04:04 | replied to |
| S5-215027 | 21/10/2021 14:09:55 | postponed |
| S5-215028 | 21/10/2021 14:09:59 | postponed |
| S5-215029 | 21/10/2021 14:13:31 | postponed |
| S5-215029 | 21/10/2021 14:14:29 | replied to |
| S5-215029 | 21/10/2021 14:14:31 | noted |
| S5-215030 | 21/10/2021 14:27:26 | postponed |
| S5-215031 | 21/10/2021 14:27:33 | postponed |
| S5-215032 | 21/10/2021 14:27:51 | postponed |
| S5-215033 | 21/10/2021 14:28:04 | postponed |
| S5-215033 | 21/10/2021 14:28:28 | noted |
| S5-215034 | 21/10/2021 14:28:04 | postponed |
| S5-215035 | 21/10/2021 14:28:32 | noted |
| S5-215036 | 21/10/2021 13:58:32 | noted |
| S5-215037 | 21/10/2021 13:58:24 | postponed |
| S5-215038 | 21/10/2021 16:45:29 | approved |
| S5-215039 | 21/10/2021 16:45:42 | revised |
| S5-215040 | 21/10/2021 16:46:00 | revised |
| S5-215041 | 21/10/2021 16:46:18 | available |
| S5-215042 | 21/10/2021 14:39:39 | agreed |
| S5-215043 | 21/10/2021 14:39:42 | agreed |
| S5-215044 | 21/10/2021 14:39:51 | revised |
| S5-215045 | 21/10/2021 14:40:42 | available |
| S5-215046 | 21/10/2021 14:40:54 | revised |
| S5-215047 | 21/10/2021 14:41:06 | revised |
| S5-215048 | 21/10/2021 16:33:43 | revised |
| S5-215049 | 22/10/2021 15:02:28 | approved |
| S5-215050 | 22/10/2021 15:02:30 | approved |
| S5-215051 | 22/10/2021 15:02:32 | approved |
| S5-215052 | 22/10/2021 15:02:34 | approved |
| S5-215053 | 22/10/2021 15:02:39 | approved |
| S5-215054 | 22/10/2021 15:02:40 | approved |
| S5-215055 | 21/10/2021 16:34:20 | available |
| S5-215056 | 21/10/2021 16:34:54 | available |
| S5-215057 | 21/10/2021 16:35:03 | available |
| S5-215058 | 21/10/2021 14:55:17 | agreed |
| S5-215059 | 25/10/2021 10:51:53 | agreed |
| S5-215060 | 21/10/2021 16:29:54 | agreed |
| S5-215061 | 21/10/2021 16:30:40 | revised |
| S5-215062 | 21/10/2021 16:31:11 | revised |
| S5-215064 | 21/10/2021 16:31:41 | revised |
| S5-215065 | 21/10/2021 16:32:12 | revised |
| S5-215066 | 21/10/2021 16:32:29 | available |
| S5-215067 | 21/10/2021 16:32:50 | revised |
| S5-215069 | 25/10/2021 10:08:25 | approved |
| S5-215070 | 25/10/2021 10:08:26 | approved |
| S5-215071 | 25/10/2021 10:08:27 | approved |
| S5-215072 | 25/10/2021 10:08:30 | approved |
| S5-215073 | 21/10/2021 14:31:10 | revised |
| S5-215074 | 21/10/2021 15:33:12 | revised |
| S5-215075 | 21/10/2021 15:33:31 | revised |
| S5-215076 | 21/10/2021 15:33:48 | revised |
| S5-215077 | 21/10/2021 15:33:59 | revised |
| S5-215078 | 21/10/2021 16:33:54 | revised |
| S5-215079 | 21/10/2021 16:34:07 | revised |
| S5-215080 | 21/10/2021 14:50:00 | revised |
| S5-215081 | 21/10/2021 14:50:06 | approved |
| S5-215082 | 21/10/2021 14:31:28 | revised |
| S5-215083 | 21/10/2021 12:01:31 | approved |
| S5-215084 | 21/10/2021 14:50:15 | agreed |
| S5-215085 | 21/10/2021 14:50:17 | agreed |
| S5-215086 | 21/10/2021 14:31:38 | noted |
| S5-215087 | 21/10/2021 14:33:53 | available |
| S5-215088 | 21/10/2021 14:33:57 | available |
| S5-215089 | 21/10/2021 14:57:14 | available |
| S5-215091 | 22/10/2021 15:12:10 | revised |
| S5-215092 | 21/10/2021 14:58:13 | noted |
| S5-215093 | 21/10/2021 15:01:50 | noted |
| S5-215094 | 21/10/2021 15:02:07 | revised |
| S5-215095 | 21/10/2021 15:04:41 | revised |
| S5-215096 | 21/10/2021 15:34:25 | revised |
| S5-215097 | 21/10/2021 15:04:48 | noted |
| S5-215098 | 21/10/2021 15:05:00 | revised |
| S5-215099 | 21/10/2021 14:31:46 | noted |
| S5-215100 | 21/10/2021 14:58:19 | noted |
| S5-215101 | 21/10/2021 16:46:39 | revised |
| S5-215102 | 21/10/2021 16:46:57 | available |
| S5-215103 | 21/10/2021 14:31:51 | noted |
| S5-215104 | 22/10/2021 15:23:23 | noted |
| S5-215105 | 21/10/2021 14:32:04 | revised |
| S5-215106 | 22/10/2021 15:25:17 | revised |
| S5-215107 | 22/10/2021 15:25:21 | approved |
| S5-215108 | 21/10/2021 15:36:11 | revised |
| S5-215109 | 25/10/2021 10:38:50 | revised |
| S5-215110 | 22/10/2021 14:19:31 | available |
| S5-215111 | 25/10/2021 10:34:59 | revised |
| S5-215112 | 21/10/2021 15:36:37 | revised |
| S5-215113 | 21/10/2021 15:36:50 | revised |
| S5-215114 | 21/10/2021 15:37:07 | revised |
| S5-215115 | 22/10/2021 15:25:30 | revised |
| S5-215116 | 21/10/2021 15:05:08 | noted |
| S5-215117 | 21/10/2021 14:38:17 | revised |
| S5-215118 | 21/10/2021 14:38:26 | agreed |
| S5-215119 | 21/10/2021 14:38:29 | agreed |
| S5-215120 | 21/10/2021 14:38:39 | revised |
| S5-215121 | 21/10/2021 14:51:54 | agreed |
| S5-215122 | 21/10/2021 14:51:58 | available |
| S5-215123 | 21/10/2021 14:52:08 | revised |
| S5-215124 | 21/10/2021 15:00:03 | revised |
| S5-215125 | 21/10/2021 15:00:14 | revised |
| S5-215126 | 21/10/2021 15:35:09 | revised |
| S5-215127 | 21/10/2021 14:54:46 | agreed |
| S5-215128 | 22/10/2021 14:19:40 | agreed |
| S5-215129 | 22/10/2021 14:19:44 | available |
| S5-215130 | 22/10/2021 14:19:52 | available |
| S5-215131 | 22/10/2021 14:19:59 | available |
| S5-215132 | 22/10/2021 14:20:10 | available |
| S5-215133 | 22/10/2021 14:20:17 | available |
| S5-215134 | 22/10/2021 15:23:32 | revised |
| S5-215135 | 22/10/2021 15:23:42 | revised |
| S5-215136 | 21/10/2021 16:47:44 | revised |
| S5-215137 | 22/10/2021 15:12:20 | revised |
| S5-215138 | 22/10/2021 15:12:29 | revised |
| S5-215139 | 21/10/2021 16:47:59 | revised |
| S5-215140 | 22/10/2021 15:12:41 | revised |
| S5-215141 | 21/10/2021 16:48:40 | noted |
| S5-215142 | 22/10/2021 15:12:49 | revised |
| S5-215143 | 22/10/2021 15:13:00 | revised |
| S5-215144 | 21/10/2021 16:48:44 | noted |
| S5-215145 | 21/10/2021 16:49:25 | revised |
| S5-215146 | 21/10/2021 16:49:52 | revised |
| S5-215147 | 21/10/2021 16:54:04 | noted |
| S5-215148 | 21/10/2021 16:54:08 | approved |
| S5-215149 | 21/10/2021 16:54:13 | available |
| S5-215150 | 21/10/2021 16:37:21 | revised |
| S5-215151 | 21/10/2021 16:37:26 | noted |
| S5-215152 | 22/10/2021 15:03:58 | noted |
| S5-215153 | 21/10/2021 15:05:13 | noted |
| S5-215154 | 21/10/2021 14:30:42 | noted |
| S5-215155 | 21/10/2021 14:32:19 | revised |
| S5-215156 | 22/10/2021 15:02:51 | revised |
| S5-215157 | 21/10/2021 15:00:22 | noted |
| S5-215158 | 21/10/2021 16:38:10 | noted |
| S5-215159 | 21/10/2021 16:38:30 | revised |
| S5-215160 | 22/10/2021 14:20:22 | available |
| S5-215161 | 20/10/2021 16:59:39 | revised |
| S5-215162 | 21/10/2021 16:38:49 | noted |
| S5-215163 | 22/10/2021 14:20:46 | revised |
| S5-215164 | 25/10/2021 10:45:17 | revised |
| S5-215165 | 21/10/2021 14:32:27 | noted |
| S5-215166 | 21/10/2021 15:00:34 | revised |
| S5-215167 | 21/10/2021 15:00:44 | revised |
| S5-215168 | 21/10/2021 15:00:50 | approved |
| S5-215169 | 21/10/2021 15:01:02 | revised |
| S5-215170 | 25/10/2021 09:41:52 | approved |
| S5-215171 | 25/10/2021 09:42:00 | revised |
| S5-215172 | 25/10/2021 09:42:16 | revised |
| S5-215173 | 25/10/2021 09:42:26 | revised |
| S5-215174 | 25/10/2021 09:42:36 | revised |
| S5-215175 | 25/10/2021 09:42:43 | approved |
| S5-215176 | 25/10/2021 09:42:46 | noted |
| S5-215177 | 25/10/2021 09:41:36 | revised |
| S5-215178 | 21/10/2021 14:54:55 | available |
| S5-215179 | 22/10/2021 15:24:41 | noted |
| S5-215180 | 21/10/2021 14:32:33 | noted |
| S5-215181 | 21/10/2021 14:32:36 | noted |
| S5-215182 | 21/10/2021 15:05:17 | noted |
| S5-215183 | 21/10/2021 15:05:21 | noted |
| S5-215184 | 21/10/2021 15:05:22 | noted |
| S5-215185 | 21/10/2021 14:50:22 | available |
| S5-215186 | 21/10/2021 14:52:31 | revised |
| S5-215187 | 21/10/2021 14:52:43 | revised |
| S5-215188 | 21/10/2021 14:52:51 | revised |
| S5-215189 | 21/10/2021 14:53:06 | revised |
| S5-215190 | 21/10/2021 16:56:19 | available |
| S5-215191 | 21/10/2021 16:53:49 | revised |
| S5-215192 | 21/10/2021 16:54:58 | approved |
| S5-215193 | 21/10/2021 16:55:08 | revised |
| S5-215194 | 22/10/2021 14:20:34 | available |
| S5-215195 | 21/10/2021 14:55:29 | revised |
| S5-215196 | 21/10/2021 14:55:35 | available |
| S5-215197 | 21/10/2021 16:39:08 | noted |
| S5-215198 | 21/10/2021 16:39:23 | revised |
| S5-215199 | 21/10/2021 16:39:30 | noted |
| S5-215200 | 21/10/2021 16:39:37 | noted |
| S5-215201 | 21/10/2021 14:51:23 | revised |
| S5-215202 | 21/10/2021 16:39:40 | noted |
| S5-215203 | 21/10/2021 16:37:40 | noted |
| S5-215204 | 21/10/2021 16:37:45 | noted |
| S5-215205 | 21/10/2021 16:39:57 | noted |
| S5-215206 | 21/10/2021 16:40:01 | approved |
| S5-215207 | 21/10/2021 16:40:08 | noted |
| S5-215208 | 21/10/2021 16:40:50 | noted |
| S5-215209 | 21/10/2021 16:42:02 | available |
| S5-215210 | 21/10/2021 16:42:16 | noted |
| S5-215211 | 21/10/2021 16:33:01 | available |
| S5-215212 | 21/10/2021 16:33:08 | available |
| S5-215213 | 21/10/2021 14:02:30 | approved |
| S5-215214 | 21/10/2021 14:51:28 | agreed |
| S5-215215 | 21/10/2021 14:51:32 | agreed |
| S5-215216 | 21/10/2021 14:04:34 | available |
| S5-215217 | 21/10/2021 16:43:18 | noted |
| S5-215218 | 25/10/2021 09:37:01 | noted |
| S5-215219 | 21/10/2021 14:44:54 | approved |
| S5-215220 | 22/10/2021 14:21:02 | available |
| S5-215221 | 22/10/2021 14:21:06 | available |
| S5-215222 | 22/10/2021 14:21:13 | noted |
| S5-215223 | 22/10/2021 15:01:49 | withdrawn |
| S5-215224 | 22/10/2021 15:01:54 | noted |
| S5-215225 | 22/10/2021 15:01:59 | noted |
| S5-215226 | 22/10/2021 15:02:08 | revised |
| S5-215227 | 25/10/2021 10:43:45 | noted |
| S5-215228 | 25/10/2021 10:43:47 | noted |
| S5-215229 | 25/10/2021 10:43:57 | revised |
| S5-215230 | 25/10/2021 10:44:11 | revised |
| S5-215231 | 25/10/2021 10:44:15 | agreed |
| S5-215232 | 25/10/2021 10:44:24 | revised |
| S5-215233 | 25/10/2021 10:44:33 | agreed |
| S5-215234 | 25/10/2021 10:44:35 | agreed |
| S5-215235 | 22/10/2021 15:50:46 | revised |
| S5-215236 | 22/10/2021 15:51:22 | agreed |
| S5-215237 | 22/10/2021 15:51:31 | revised |
| S5-215238 | 22/10/2021 15:51:42 | revised |
| S5-215239 | 25/10/2021 09:46:04 | approved |
| S5-215240 | 25/10/2021 10:10:58 | revised |
| S5-215241 | 25/10/2021 10:11:01 | approved |
| S5-215242 | 25/10/2021 10:11:17 | revised |
| S5-215243 | 25/10/2021 10:11:31 | revised |
| S5-215244 | 25/10/2021 10:25:55 | approved |
| S5-215245 | 25/10/2021 10:26:04 | revised |
| S5-215246 | 25/10/2021 10:27:26 | revised |
| S5-215247 | 19/10/2021 16:13:11 | revised |
| S5-215248 | 21/10/2021 14:45:06 | agreed |
| S5-215249 | 21/10/2021 14:45:08 | agreed |
| S5-215250 | 21/10/2021 14:45:15 | agreed |
| S5-215251 | 21/10/2021 14:58:23 | noted |
| S5-215252 | 21/10/2021 14:50:43 | revised |
| S5-215253 | 21/10/2021 14:58:30 | noted |
| S5-215254 | 21/10/2021 14:32:41 | noted |
| S5-215255 | 21/10/2021 15:01:40 | noted |
| S5-215256 | 21/10/2021 14:36:52 | revised |
| S5-215257 | 21/10/2021 14:37:02 | revised |
| S5-215258 | 21/10/2021 14:41:36 | revised |
| S5-215259 | 21/10/2021 14:41:48 | revised |
| S5-215260 | 21/10/2021 14:41:57 | available |
| S5-215261 | 21/10/2021 14:40:26 | revised |
| S5-215262 | 21/10/2021 16:35:25 | revised |
| S5-215263 | 21/10/2021 16:35:38 | revised |
| S5-215264 | 21/10/2021 14:56:59 | available |
| S5-215265 | 21/10/2021 16:42:34 | approved |
| S5-215266 | 21/10/2021 16:42:50 | revised |
| S5-215267 | 21/10/2021 16:49:06 | revised |
| S5-215268 | 21/10/2021 16:50:12 | revised |
| S5-215269 | 21/10/2021 16:56:04 | approved |
| S5-215270 | 21/10/2021 16:56:06 | approved |
| S5-215270 | 27/10/2021 13:40:19 | agreed |
| S5-215271 | 22/10/2021 15:03:30 | approved |
| S5-215272 | 22/10/2021 15:03:39 | revised |
| S5-215273 | 21/10/2021 14:58:37 | noted |
| S5-215274 | 21/10/2021 16:40:58 | noted |
| S5-215275 | 21/10/2021 16:41:02 | noted |
| S5-215276 | 21/10/2021 16:43:03 | noted |
| S5-215277 | 21/10/2021 14:32:55 | revised |
| S5-215278 | 21/10/2021 15:35:17 | noted |
| S5-215279 | 21/10/2021 14:53:11 | available |
| S5-215280 | 21/10/2021 14:53:17 | noted |
| S5-215281 | 22/10/2021 15:25:36 | noted |
| S5-215282 | 22/10/2021 15:25:47 | noted |
| S5-215283 | 22/10/2021 15:25:57 | revised |
| S5-215284 | 21/10/2021 15:02:27 | noted |
| S5-215285 | 21/10/2021 15:02:30 | noted |
| S5-215286 | 21/10/2021 15:02:51 | available |
| S5-215287 | 25/10/2021 09:37:13 | revised |
| S5-215287 | 25/10/2021 09:41:03 | noted |
| S5-215287 | 25/10/2021 09:55:24 | revised |
| S5-215288 | 25/10/2021 09:41:18 | revised |
| S5-215289 | 25/10/2021 10:46:18 | noted |
| S5-215290 | 25/10/2021 10:06:14 | noted |
| S5-215291 | 25/10/2021 10:06:27 | revised |
| S5-215292 | 25/10/2021 10:06:38 | revised |
| S5-215293 | 25/10/2021 10:06:50 | revised |
| S5-215294 | 25/10/2021 10:06:59 | revised |
| S5-215295 | 25/10/2021 10:07:09 | revised |
| S5-215296 | 25/10/2021 10:08:41 | revised |
| S5-215297 | 25/10/2021 10:30:28 | revised |
| S5-215300 | 25/10/2021 10:45:51 | agreed |
| S5-215301 | 25/10/2021 10:30:38 | noted |
| S5-215302 | 25/10/2021 10:30:48 | available |
| S5-215303 | 25/10/2021 10:30:54 | available |
| S5-215304 | 25/10/2021 10:31:02 | noted |
| S5-215305 | 25/10/2021 10:31:08 | available |
| S5-215306 | 25/10/2021 10:31:12 | available |
| S5-215307 | 25/10/2021 10:31:18 | available |
| S5-215308 | 25/10/2021 10:31:21 | available |
| S5-215309 | 25/10/2021 10:31:25 | available |
| S5-215310 | 25/10/2021 10:31:34 | available |
| S5-215311 | 25/10/2021 10:31:45 | revised |
| S5-215312 | 25/10/2021 10:31:59 | revised |
| S5-215313 | 25/10/2021 10:32:10 | revised |
| S5-215314 | 25/10/2021 10:32:20 | revised |
| S5-215315 | 25/10/2021 10:32:32 | revised |
| S5-215316 | 25/10/2021 10:33:22 | revised |
| S5-215317 | 25/10/2021 10:27:45 | revised |
| S5-215318 | 25/10/2021 10:28:05 | revised |
| S5-215319 | 25/10/2021 10:28:14 | revised |
| S5-215320 | 25/10/2021 10:28:25 | revised |
| S5-215321 | 25/10/2021 10:28:38 | revised |
| S5-215322 | 25/10/2021 10:10:23 | revised |
| S5-215323 | 25/10/2021 10:10:33 | revised |
| S5-215324 | 25/10/2021 10:29:55 | revised |
| S5-215325 | 25/10/2021 10:30:06 | revised |
| S5-215326 | 21/10/2021 14:55:46 | available |
| S5-215327 | 21/10/2021 16:43:07 | noted |
| S5-215328 | 21/10/2021 14:53:26 | available |
| S5-215329 | 25/10/2021 10:46:40 | revised |
| S5-215330 | 25/10/2021 10:47:04 | noted |
| S5-215331 | 25/10/2021 09:34:07 | revised |
| S5-215332 | 21/10/2021 14:55:52 | agreed |
| S5-215333 | 25/10/2021 09:34:11 | approved |
| S5-215334 | 25/10/2021 09:34:20 | revised |
| S5-215335 | 25/10/2021 09:34:29 | revised |
| S5-215336 | 25/10/2021 09:34:38 | revised |
| S5-215337 | 25/10/2021 09:34:51 | revised |
| S5-215338 | 21/10/2021 14:55:55 | available |
| S5-215339 | 21/10/2021 14:43:11 | revised |
| S5-215340 | 21/10/2021 14:43:22 | revised |
| S5-215341 | 21/10/2021 14:43:33 | available |
| S5-215342 | 21/10/2021 14:43:38 | available |
| S5-215343 | 21/10/2021 14:45:58 | revised |
| S5-215344 | 21/10/2021 14:46:06 | revised |
| S5-215345 | 21/10/2021 14:46:18 | revised |
| S5-215346 | 21/10/2021 14:46:27 | revised |
| S5-215347 | 19/10/2021 16:13:48 | revised |
| S5-215348 | 21/10/2021 14:53:30 | available |
| S5-215349 | 22/10/2021 15:04:51 | revised |
| S5-215350 | 21/10/2021 14:46:49 | revised |
| S5-215351 | 21/10/2021 14:45:30 | available |
| S5-215352 | 21/10/2021 14:39:05 | available |
| S5-215353 | 21/10/2021 14:39:12 | available |
| S5-215354 | 21/10/2021 16:43:28 | noted |
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| S5-215356 | 21/10/2021 14:48:16 | withdrawn |
| S5-215357 | 21/10/2021 14:56:05 | available |
| S5-215358 | 21/10/2021 14:56:11 | available |
| S5-215359 | 21/10/2021 14:56:16 | available |
| S5-215360 | 21/10/2021 16:47:21 | noted |
| S5-215361 | 21/10/2021 16:47:26 | noted |
| S5-215362 | 21/10/2021 14:58:43 | noted |
| S5-215363 | 21/10/2021 14:58:48 | noted |
| S5-215364 | 21/10/2021 14:58:52 | approved |
| S5-215365 | 21/10/2021 14:59:00 | noted |
| S5-215366 | 21/10/2021 16:43:31 | noted |
| S5-215367 | 21/10/2021 15:05:33 | approved |
| S5-215368 | 21/10/2021 14:44:27 | revised |
| S5-215369 | 21/10/2021 15:05:36 | approved |
| S5-215370 | 22/10/2021 15:11:53 | noted |
| S5-215371 | 22/10/2021 15:04:17 | revised |
| S5-215372 | 21/10/2021 14:55:00 | noted |
| S5-215373 | 22/10/2021 07:44:47 | available |
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| S5-215375 | 22/10/2021 15:03:00 | revised |
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| S5-215377 | 21/10/2021 16:44:45 | noted |
| S5-215378 | 21/10/2021 16:41:38 | revised |
| S5-215379 | 21/10/2021 16:39:47 | noted |
| S5-215380 | 21/10/2021 16:45:20 | revised |
| S5-215381 | 21/10/2021 16:38:58 | noted |
| S5-215382 | 21/10/2021 14:56:26 | agreed |
| S5-215383 | 21/10/2021 14:56:28 | agreed |
| S5-215384 | 21/10/2021 14:56:31 | agreed |
| S5-215385 | 22/10/2021 15:51:55 | noted |
| S5-215386 | 22/10/2021 15:52:05 | revised |
| S5-215387 | 22/10/2021 15:52:17 | revised |
| S5-215388 | 25/10/2021 10:47:21 | revised |
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| S5-215391 | 21/10/2021 14:48:33 | revised |
| S5-215392 | 21/10/2021 14:48:43 | revised |
| S5-215393 | 21/10/2021 14:48:52 | revised |
| S5-215394 | 21/10/2021 14:59:11 | noted |
| S5-215395 | 21/10/2021 14:53:44 | revised |
| S5-215396 | 21/10/2021 14:59:23 | revised |
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| S5-215398 | 21/10/2021 15:05:41 | noted |
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| S5-215402 | 22/10/2021 15:24:49 | agreed |
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| S5-215405 | 21/10/2021 14:54:29 | revised |
| S5-215406 | 21/10/2021 14:30:47 | noted |
| S5-215407 | 22/10/2021 15:10:47 | available |
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| S5-215409 | 21/10/2021 14:33:36 | available |
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| S5-215415 | 22/10/2021 15:13:19 | approved |
| S5-215416 | 22/10/2021 15:13:24 | approved |
| S5-215417 | 22/10/2021 15:13:25 | approved |
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| S5-215419 | 21/10/2021 14:34:10 | noted |
| S5-215420 | 21/10/2021 14:35:08 | noted |
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| S5-215423 | 21/10/2021 14:37:12 | available |
| S5-215424 | 21/10/2021 14:37:43 | available |
| S5-215425 | 21/10/2021 14:37:46 | available |
| S5-215426 | 21/10/2021 14:37:49 | available |
| S5-215427 | 21/10/2021 14:35:24 | available |
| S5-215428 | 21/10/2021 14:35:35 | revised |
| S5-215429 | 21/10/2021 14:37:25 | available |
| S5-215430 | 21/10/2021 14:37:32 | available |
| S5-215431 | 22/10/2021 15:10:30 | revised |
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| S5-215433 | 21/10/2021 14:43:57 | agreed |
| S5-215434 | 21/10/2021 14:49:30 | revised |
| S5-215435 | 21/10/2021 14:49:41 | revised |
| S5-215436 | 21/10/2021 14:57:24 | agreed |
| S5-215437 | 21/10/2021 14:57:28 | agreed |
| S5-215438 | 21/10/2021 14:57:43 | revised |
| S5-215439 | 21/10/2021 14:58:03 | revised |
| S5-215440 | 21/10/2021 16:35:56 | revised |
| S5-215441 | 22/10/2021 15:03:15 | available |
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| S5-215447 | 25/10/2021 16:31:12 | approved |
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| S5-215449 | 25/10/2021 09:43:26 | approved |
| S5-215450 | 25/10/2021 10:08:14 | approved |
| S5-215451 | 25/10/2021 10:09:55 | approved |
| S5-215452 | 25/10/2021 10:25:30 | reserved |
| S5-215452 | 26/10/2021 13:30:44 | approved |
| S5-215453 | 25/10/2021 10:29:36 | reserved |
| S5-215453 | 26/10/2021 13:30:51 | approved |
| S5-215454 | 22/10/2021 15:51:43 | agreed |
| S5-215455 | 25/10/2021 10:45:18 | agreed |
| S5-215456 | 22/10/2021 15:50:48 | agreed |
| S5-215457 | 22/10/2021 15:51:32 | agreed |
| S5-215458 | 25/10/2021 09:41:37 | agreed |
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| S5-215460 | 25/10/2021 09:42:27 | approved |
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| S5-215465 | 25/10/2021 10:30:29 | agreed |
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| S5-215508 | 21/10/2021 14:41:36 | agreed |
| S5-215509 | 21/10/2021 14:41:49 | agreed |
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| S5-215512 | 21/10/2021 14:43:23 | agreed |
| S5-215513 | 21/10/2021 14:44:29 | agreed |
| S5-215514 | 21/10/2021 14:45:59 | agreed |
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| S5-215516 | 21/10/2021 14:46:19 | agreed |
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| S5-215519 | 21/10/2021 14:48:44 | agreed |
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| S5-215536 | 21/10/2021 15:00:15 | approved |
| S5-215537 | 21/10/2021 15:00:35 | approved |
| S5-215538 | 21/10/2021 15:00:45 | approved |
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| S5-215573 | 22/10/2021 15:02:14 | reserved |
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| S5-215616 | 22/10/2021 15:13:01 | approved |
| S5-215617 | 22/10/2021 15:23:33 | approved |
| S5-215618 | 22/10/2021 15:23:43 | approved |
| S5-215619 | 22/10/2021 15:25:19 | approved |
| S5-215620 | 22/10/2021 15:25:31 | approved |
| S5-215621 | 22/10/2021 15:25:58 | approved |
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| S5-215624 | 22/10/2021 15:33:28 | reserved |
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| S5-215631 | 22/10/2021 15:40:53 | reserved |
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| S5-215633 | 22/10/2021 15:42:39 | reserved |
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| S5-215634 | 22/10/2021 15:43:33 | reserved |
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| S5-215635 | 22/10/2021 15:44:30 | reserved |
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| S5-215636 | 22/10/2021 15:45:20 | reserved |
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| S5-215637 | 21/10/2021 16:37:23 | approved |
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| S5-215642 | 21/10/2021 14:52:09 | agreed |
| S5-215643 | 21/10/2021 14:52:32 | agreed |
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| S5-215648 | 21/10/2021 14:48:01 | agreed |
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| S5-215652 | 21/10/2021 15:34:48 | reserved |
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| S5-215653 | 21/10/2021 16:38:31 | approved |
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| S5-215655 | 21/10/2021 16:30:53 | reserved |
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| S5-215656 | 21/10/2021 16:32:16 | reserved |
| S5-215656 | 26/10/2021 13:31:26 | agreed |
| S5-215657 | 21/10/2021 16:41:40 | approved |
| S5-215658 | 21/10/2021 16:45:21 | approved |
| S5-215659 | 21/10/2021 16:38:44 | approved |
| S5-215660 | 25/10/2021 10:43:11 | approved |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-215078 | Rel-17 CR 28.310 Update clause 6.2 for energy saving | Huawei | 28.310 | 0018 | - | Rel-17 | C | EE5GPLUS | revised |
| S5-215556 | Rel-17 CR 28.310 Update clause 6.2 for energy saving | Huawei | 28.310 | 0018 | 1 | Rel-17 | C | EE5GPLUS | agreed |
| S5-215101 | Rel-17 CR TS 28.313 Update procedures for plug and connect to management system | Huawei, China Telecom | 28.313 | 0029 | 1 | Rel-17 | B | PACMAN | revised |
| S5-215564 | Rel-17 CR TS 28.313 Update procedures for plug and connect to management system | Huawei, China Telecom | 28.313 | 0029 | 2 | Rel-17 | B | PACMAN | agreed |
| S5-215041 | Rel-17 CR 28.313 remove plug and connect procedure | Oy LM Ericsson AB | 28.313 | 0030 | - | Rel-17 | C | PACMAN | merged |
| S5-215059 | Rel-16 CR 28.313 correction for self-configuration Figure title | Oy LM Ericsson AB | 28.313 | 0031 | - | Rel-16 | F | SON\_5G | agreed |
| S5-215060 | Rel-17 CR 28.313 correction for self-configuration Figure title | Oy LM Ericsson AB | 28.313 | 0032 | - | Rel-17 | A | SON\_5G | agreed |
| S5-215061 | Rel-17 CR 28.313 add RRM related measurements information | Intel Corporation (UK) Ltd | 28.313 | 0033 | - | Rel-17 | B | eSON\_5G | revised |
| S5-215655 | Rel-17 CR 28.313 add RRM related measurements information | Intel Corporation (UK) Ltd | 28.313 | 0033 | 1 | Rel-17 | B | eSON\_5G | agreed |
| S5-215063 | Rel-17 CR 28.313 Add Stage 2 solutions to support D-LBO | Intel Corporation (UK) Ltd | 28.313 | 0034 | - | Rel-17 | B | eSON\_5G | withdrawn |
| S5-215067 | Rel-17 CR 28.313 Add notifications to D-SON functions of MRO and PCI re-configuration | Intel Corporation (UK) Ltd | 28.313 | 0035 | - | Rel-17 | B | eSON\_5G | revised |
| S5-215554 | Rel-17 CR 28.313 Add notifications to D-SON functions of MRO and PCI re-configuration | Intel Corporation (UK) Ltd | 28.313 | 0035 | 1 | Rel-17 | B | eSON\_5G | agreed |
| S5-215211 | Rel-17 CR 28.313 Add C-SON CCO control information | Huawei | 28.313 | 0036 | - | Rel-17 | B | eSON\_5G | not pursued |
| S5-215178 | Adding Signalling Based Activation for UTRAN and LTE | Ericsson LM | 28.405 | 0002 | - | Rel-17 | B | eQoE | not pursued |
| S5-215427 | Rel-16 CR 28.530 Remove not used terms from abbreviations list | Ericsson LM | 28.530 | 0047 | - | Rel-16 | F | TEI16 | not pursued |
| S5-215428 | Rel-17 CR 28.530 Remove not used terms from abbreviations list | Ericsson LM | 28.530 | 0048 | - | Rel-17 | A | TEI16 | revised |
| S5-215500 | Rel-17 CR 28.530 Remove not used terms from abbreviations list | Ericsson LM | 28.530 | 0048 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-215436 | Rel-16 CR 28.530 Correct tenant phrasing | Ericsson LM, Deutsche Telekom AG, Huawei | 28.530 | 0049 | - | Rel-16 | F | MEMTANE | agreed |
| S5-215437 | Rel-17 CR 28.530 Correct tenant phrasing | Ericsson LM, Deutsche Telekom AG, Huawei | 28.530 | 0050 | - | Rel-17 | A | MEMTANE | agreed |
| S5-215088 | Rel-17 CR TS 28.531 Update procedure of reservation and checking feasibility of network slice subnet | Huawei,China Unicom,Deutsche Telekom,China Mobile | 28.531 | 0070 | 1 | Rel-17 | B | adNRM | not pursued |
| S5-215185 | TS 28.531 Correction of the SLA management related requirements and procedure | CMCC | 28.531 | 0085 | - | Rel-17 | B | EMA5SLA | not pursued |
| S5-215256 | Rel-16 CR 28.531 Technical errors in use case descriptions | Huawei | 28.531 | 0086 | - | Rel-16 | F | TEI16 | revised |
| S5-215501 | Rel-16 CR 28.531 Technical errors in use case descriptions | Huawei | 28.531 | 0086 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-215257 | Rel-17 CR 28.531 Technical errors in use case descriptions | Huawei | 28.531 | 0087 | - | Rel-17 | A | TEI16 | revised |
| S5-215502 | Rel-17 CR 28.531 Technical errors in use case descriptions | Huawei | 28.531 | 0087 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-215408 | CR Rel-17 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 2 | Samsung Research America | 28.531 | 0088 | - | Rel-17 | C | DUMMY | revised |
| S5-215498 | CR Rel-17 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 2 | Samsung Research America | 28.531 | 0088 | 1 | Rel-17 | C | DUMMY | agreed |
| S5-215409 | CR 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 3 | Samsung Research America | 28.531 | 0089 | - | Rel-17 | C | DUMMY | not pursued |
| S5-215423 | Rel-15 CR 28.531 Clarify and align service profile modification use case | Ericsson LM | 28.531 | 0090 | - | Rel-15 | F | NETSLICE-PRO\_NS | not pursued |
| S5-215424 | Rel-15 CR 28.531 Correct the allocate output parameters | Ericsson LM | 28.531 | 0091 | - | Rel-15 | F | NETSLICE-PRO\_NS | not pursued |
| S5-215425 | Rel-16 CR 28.531 Correct the allocate output parameters | Ericsson LM | 28.531 | 0092 | - | Rel-16 | A | NETSLICE-PRO\_NS | not pursued |
| S5-215426 | Rel-17 CR 28.531 Correct the allocate output parameters | Ericsson LM | 28.531 | 0093 | - | Rel-17 | A | NETSLICE-PRO\_NS | not pursued |
| S5-215429 | Rel-16 CR 28.531 Clarify service profile modification use case | Ericsson LM | 28.531 | 0094 | - | Rel-16 | A | TEI16,NETSLICE-PRO\_NS | not pursued |
| S5-215430 | Rel-17 CR 28.531 Clarify service profile modification use case | Ericsson LM | 28.531 | 0095 | - | Rel-17 | A | TEI16,NETSLICE-PRO\_NS | not pursued |
| S5-215359 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | 28.532 | 0177 | 2 | Rel-17 | C | ePM\_KPI\_5G | not pursued |
| S5-215352 | Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (REST SS, OpenAPI definition) | Nokia, Nokia Shanghai Bell, Huawei, Samsung | 28.532 | 0183 | 1 | Rel-17 | B | TEI17 | not pursued |
| S5-215353 | Rel-17 CR 28.532 Extend object creation method with id selection by the MnS producer (stage 2) | Nokia, Nokia Shanghai Bell, Huawei, Samsung | 28.532 | 0184 | 1 | Rel-17 | B | TEI17 | not pursued |
| S5-215066 | Rel-16 CR 28.541 Add sonFunction attribute in notification | Intel Corporation (UK) Ltd | 28.532 | 0186 | - | Rel-17 | B | eSON\_5G | not pursued |
| S5-215117 | Rel-16 CR TS 28.532 Align the description for generic provisioning MnS | Huawei | 28.532 | 0187 | - | Rel-16 | F | TEI16 | revised |
| S5-215503 | Rel-16 CR TS 28.532 Align the description for generic provisioning MnS | Huawei | 28.532 | 0187 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-215118 | Rel-16 CR TS 28.532 Fix the incorrect reference of Generic fault supervision management service to TS 32.158 | Huawei | 28.532 | 0188 | - | Rel-16 | F | TEI16 | agreed |
| S5-215119 | Rel-16 CR TS 28.532 Fix the incorrect reference of File data reporting service to TS 32.158 | Huawei | 28.532 | 0189 | - | Rel-16 | F | TEI16 | agreed |
| S5-215120 | Rel-16 CR TS 28.532 Rel-16 CR TS 28.532 Fix the URI description for streaming data report MnS | Huawei | 28.532 | 0190 | - | Rel-16 | F | TEI16 | revised |
| S5-215504 | Rel-16 CR TS 28.532 Rel-16 CR TS 28.532 Fix the URI description for streaming data report MnS | Huawei | 28.532 | 0190 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-215190 | Rel-17 CR 28.532 Enhance creatMOI, deleteMOI, and notifications to support asynchronous mode | Intel Corporation (UK) Ltd | 28.532 | 0191 | - | Rel-17 | B | ECM | not pursued |
| S5-215391 | R15 CR 28533-f50 Correcting the Scope | Ericsson Inc. | 28.533 | 0084 | 1 | Rel-15 | F | NETSLICE | revised |
| S5-215518 | R15 CR 28533-f50 Correcting the Scope | Ericsson Inc. | 28.533 | 0084 | 2 | Rel-15 | F | NETSLICE | agreed |
| S5-215392 | R16 CR 28533-g70 Correcting the Scope | Ericsson Inc. | 28.533 | 0085 | 1 | Rel-16 | A | NETSLICE | revised |
| S5-215519 | R16 CR 28533-g70 Correcting the Scope | Ericsson Inc. | 28.533 | 0085 | 2 | Rel-16 | A | NETSLICE | agreed |
| S5-215220 | enhance SBMA to support access control | Nokia, Nokia Shanghai Bell | 28.533 | 0087 | - | Rel-17 | B | MSAC | not pursued |
| S5-215221 | enhance request-response communication paradigm to support access contro | Nokia, Nokia Shanghai Bell | 28.533 | 0088 | - | Rel-17 | B | MSAC | not pursued |
| S5-215393 | R17 CR 28533-h00 Correcting the Scope | Ericsson Inc. | 28.533 | 0089 | - | Rel-17 | A | NETSLICE | revised |
| S5-215520 | R17 CR 28533-h00 Correcting the Scope | Ericsson Inc. | 28.533 | 0089 | 1 | Rel-17 | A | NETSLICE | agreed |
| S5-215531 | Rel-17 CR 28.533 Remove MnS Discovery use case and requirement | Huawei | 28.533 | 0090 | - | Rel-17 | C | 5GDMS | agreed |
| S5-215434 | Rel-16 CR 28.535 Clarify business requirements | Ericsson LM, Deutsche Telekom | 28.535 | 0058 | - | Rel-16 | F | COSLA | revised |
| S5-215521 | Rel-16 CR 28.535 Clarify business requirements | Ericsson LM, Deutsche Telekom | 28.535 | 0058 | 1 | Rel-16 | F | COSLA | agreed |
| S5-215435 | Rel-17 CR 28.535 Clarify business requirements | Ericsson LM, Deutsche Telekom | 28.535 | 0059 | - | Rel-17 | A | COSLA | revised |
| S5-215522 | Rel-17 CR 28.535 Clarify business requirements | Ericsson LM, Deutsche Telekom | 28.535 | 0059 | 1 | Rel-17 | A | COSLA | agreed |
| S5-215096 | Rel-17 CR 28.536 Focused ACCL | Samsung Research America | 28.536 | 0035 | - | Rel-17 | B | eCOSLA | revised |
| S5-215652 | Rel-17 CR 28.536 Focused ACCL | Samsung Research America | 28.536 | 0035 | 1 | Rel-17 | B | eCOSLA | agreed |
| S5-215126 | Rel-17 CR TS 28.536 Update the definition for attribute observationTime | Huawei | 28.536 | 0036 | - | Rel-17 | F | eCOSLA | revised |
| S5-215548 | Rel-17 CR TS 28.536 Update the definition for attribute observationTime | Huawei | 28.536 | 0036 | 1 | Rel-17 | F | eCOSLA | agreed |
| S5-215440 | Rel-17 CR TS28.537 clarifications into existing use cases | NEC Corporation | 28.537 | 0007 | - | Rel-17 | C | 5GDMS | revised |
| S5-215560 | Rel-17 CR TS28.537 clarifications into existing use cases | NEC Corporation | 28.537 | 0007 | 1 | Rel-17 | C | 5GDMS | agreed |
| S5-215279 | Rel-17 CR TS 28.540 Add requirement to support multiple SSBs in a carrier | CALTTA | 28.540 | 0015 | - | Rel-17 | B | adNRM | not pursued |
| S5-215347 | RAN Sharing NRM support for MOCN | Ericsson LM | 28.541 | 0468 | 2 | Rel-17 | B | MANS | revised |
| S5-215534 | RAN Sharing NRM support for MOCN | Ericsson LM | 28.541 | 0468 | 3 | Rel-17 | B | MANS | agreed |
| S5-215087 | Rel-17 CR TS 28.541 Add feasibility check NRM fragment | Huawei,China Unicom, Deutsche Telekom,China Mobile | 28.541 | 0536 | 1 | Rel-17 | B | adNRM | not pursued |
| S5-215089 | Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment | Huawei | 28.541 | 0538 | 1 | Rel-17 | B | eMEMTANE | not pursued |
| S5-215042 | Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | 28.541 | 0570 | - | Rel-16 | F | METHOGY | agreed |
| S5-215043 | Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | 28.541 | 0571 | - | Rel-17 | A | METHOGY | agreed |
| S5-215044 | Correct Class diagram of AMF Region/AMF Set and stage 3 implementation | Nokia, Nokia Shanghai Bell | 28.541 | 0572 | - | Rel-16 | F | TEI16 | revised |
| S5-215505 | Correct Class diagram of AMF Region/AMF Set and stage 3 implementation | Nokia, Nokia Shanghai Bell | 28.541 | 0572 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-215045 | Correct Class diagram of AMF Region/AMF Set and stage 3 implementation | Nokia, Nokia Shanghai Bell | 28.541 | 0573 | - | Rel-17 | A | TEI16 | merged |
| S5-215046 | Clarify the usage of pLMNId in first entry in pLMNInfoList | Nokia, Nokia Shanghai Bell | 28.541 | 0574 | - | Rel-16 | F | TEI16 | revised |
| S5-215506 | Clarify the usage of pLMNId in first entry in pLMNInfoList | Nokia, Nokia Shanghai Bell | 28.541 | 0574 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-215047 | Clarify the usage of pLMNId in first entry in pLMNInfoList | Nokia, Nokia Shanghai Bell | 28.541 | 0575 | - | Rel-17 | A | TEI16 | revised |
| S5-215507 | Clarify the usage of pLMNId in first entry in pLMNInfoList | Nokia, Nokia Shanghai Bell | 28.541 | 0575 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-215064 | Rel-17 CR 28.541 Add Stage 2 solutions to support D-LBO | Intel Corporation (UK) Ltd | 28.541 | 0576 | - | Rel-17 | B | eSON\_5G | revised |
| S5-215553 | Rel-17 CR 28.541 Add Stage 2 solutions to support D-LBO | Intel Corporation (UK) Ltd | 28.541 | 0576 | 1 | Rel-17 | B | eSON\_5G | agreed |
| S5-215065 | Rel-17 CR 28.541 Add Stage 3 solutions to support D-LBO | Intel Corporation (UK) Ltd | 28.541 | 0577 | - | Rel-17 | B | eSON\_5G | revised |
| S5-215656 | Rel-17 CR 28.541 Add Stage 3 solutions to support D-LBO | Intel Corporation (UK) Ltd | 28.541 | 0577 | 1 | Rel-17 | B | eSON\_5G | agreed |
| S5-215084 | Rel-17 CR 28.541 Update latency to support UL and DL requirements | Huawei, China Mobile | 28.541 | 0578 | - | Rel-17 | C | EMA5SLA | agreed |
| S5-215085 | Rel-17 CR 28.541 Align attribute names for CNSliceSubnetProfile | Huawei | 28.541 | 0579 | - | Rel-17 | F | EMA5SLA | agreed |
| S5-215121 | Rel-17 CR TS 28.541 YAML update for RRMPolicy | Huawei | 28.541 | 0580 | - | Rel-17 | F | adNRM | agreed |
| S5-215123 | Rel-17 CR TS 28.541 Rel-17 CR TS 28.541 Add attribute networkSliceSubnetType for NetworkSliceSubnet IOC | Huawei | 28.541 | 0581 | - | Rel-17 | B | adNRM | revised |
| S5-215642 | Rel-17 CR TS 28.541 Rel-17 CR TS 28.541 Add attribute networkSliceSubnetType for NetworkSliceSubnet IOC | Huawei | 28.541 | 0581 | 1 | Rel-17 | B | adNRM | agreed |
| S5-215186 | Add maxnumber of PDU Sessions in NsacfInfoSnssai | CMCC | 28.541 | 0582 | - | Rel-17 | C | adNRM | revised |
| S5-215643 | Add maxnumber of PDU Sessions in NsacfInfoSnssai | CMCC | 28.541 | 0582 | 1 | Rel-17 | C | adNRM | agreed |
| S5-215187 | Add serving area information for NSACF discovery and selection | CMCC | 28.541 | 0583 | - | Rel-17 | C | adNRM | revised |
| S5-215644 | Add serving area information for NSACF discovery and selection | CMCC | 28.541 | 0583 | 1 | Rel-17 | C | adNRM | agreed |
| S5-215188 | Enhance NRM to support local NEF selection | CMCC | 28.541 | 0584 | - | Rel-17 | C | adNRM | revised |
| S5-215645 | Enhance NRM to support local NEF selection | CMCC | 28.541 | 0584 | 1 | Rel-17 | C | adNRM | agreed |
| S5-215189 | Updata NRM to support EASDF | CMCC | 28.541 | 0585 | - | Rel-17 | C | adNRM | revised |
| S5-215646 | Updata NRM to support EASDF | CMCC | 28.541 | 0585 | 1 | Rel-17 | C | adNRM | agreed |
| S5-215212 | Rel-17 CR 28.541 Add C-SON CCO NRM model | Huawei | 28.541 | 0586 | - | Rel-17 | B | eSON\_5G | not pursued |
| S5-215252 | Rel-17 CR 28.541 Update relationship between GST and Network Slice NRM fragment | TELEFONICA S.A. | 28.541 | 0587 | - | Rel-17 | F | EMA5SLA | revised |
| S5-215649 | Rel-17 CR 28.541 Update relationship between GST and Network Slice NRM fragment | TELEFONICA S.A. | 28.541 | 0587 | 1 | Rel-17 | F | EMA5SLA | agreed |
| S5-215258 | Rel16 CR 28.541 cNSIID description clarification | Huawei | 28.541 | 0588 | - | Rel-16 | F | TEI16 | revised |
| S5-215508 | Rel16 CR 28.541 cNSIID description clarification | Huawei | 28.541 | 0588 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-215259 | Rel17 CR 28.541 cNSIID description clarification | Huawei | 28.541 | 0589 | - | Rel-17 | A | TEI16 | revised |
| S5-215509 | Rel17 CR 28.541 cNSIID description clarification | Huawei | 28.541 | 0589 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-215260 | Rel16 CR 28.541 Correct NRM for AMFRegion and AMFSet | Huawei | 28.541 | 0590 | - | Rel-16 | F | TEI16 | merged |
| S5-215261 | Rel17 CR 28.541 Correct NRM for AMFRegion and AMFSet | Huawei | 28.541 | 0591 | - | Rel-17 | A | TEI16 | revised |
| S5-215510 | Rel17 CR 28.541 Correct NRM for AMFRegion and AMFSet | Huawei | 28.541 | 0591 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-215270 | Rel17 CR 28.541 Adding transport view NRM from 5GC to EDN | Huawei | 28.541 | 0592 | - | Rel-17 | B | ECM | agreed |
| S5-215328 | Adding NRBeamCellRelation Stage 2 | Nokia Germany | 28.541 | 0593 | - | Rel-17 | B | adNRM | not pursued |
| S5-215339 | Rel-16 CR DMRO correction | Ericsson France S.A.S | 28.541 | 0594 | - | Rel-16 | F | SON\_5G | revised |
| S5-215511 | Rel-16 CR DMRO correction | Ericsson France S.A.S | 28.541 | 0594 | 1 | Rel-16 | F | SON\_5G | agreed |
| S5-215340 | Rel-17 CR DMRO correction | Ericsson France S.A.S | 28.541 | 0595 | - | Rel-17 | A | SON\_5G | revised |
| S5-215512 | Rel-17 CR DMRO correction | Ericsson France S.A.S | 28.541 | 0595 | 1 | Rel-17 | A | SON\_5G | agreed |
| S5-215341 | Rel-16 CR Correct maximumDeviationHoTrigger | Ericsson France S.A.S | 28.541 | 0596 | - | Rel-16 | F | SON\_5G | not pursued |
| S5-215342 | Rel-17 CR Correct maximumDeviationHoTrigger | Ericsson France S.A.S | 28.541 | 0597 | - | Rel-17 | A | SON\_5G | not pursued |
| S5-215348 | Adding NRBeamCellRelation Stage 3 | Nokia Germany | 28.541 | 0598 | - | Rel-17 | B | adNRM | not pursued |
| S5-215390 | Rel-17 CR 28.541 Introduce missing GST references | TELEFONICA S.A. | 28.541 | 0599 | - | Rel-17 | D | EMA5SLA | revised |
| S5-215640 | Rel-17 CR 28.541 Introduce missing GST references | TELEFONICA S.A. | 28.541 | 0599 | 1 | Rel-17 | D | EMA5SLA | agreed |
| S5-215395 | Enhance 5G Core managed NF Profile NRM fragment (Stage 2) | Nokia Germany, Orange, DT, Telefonica | 28.541 | 0600 | - | Rel-17 | B | adNRM | revised |
| S5-215487 | Enhance 5G Core managed NF Profile NRM fragment (Stage 2) | Nokia Germany, Orange, DT, Telefonica | 28.541 | 0600 | 1 | Rel-17 | B | adNRM | agreed |
| S5-215399 | 5GC NRM enhancements for AMFFunction and ManagedNFProfile (Stage 3) | Nokia Germany | 28.541 | 0601 | - | Rel-17 | B | adNRM | revised |
| S5-215488 | 5GC NRM enhancements for AMFFunction and ManagedNFProfile (Stage 3) | Nokia Germany | 28.541 | 0601 | 1 | Rel-17 | B | adNRM | agreed |
| S5-215405 | NR NRM additions to support 5GC enhancements (Stage 3) | Nokia Germany | 28.541 | 0602 | - | Rel-17 | B | adNRM | revised |
| S5-215489 | NR NRM additions to support 5GC enhancements (Stage 3) | Nokia Germany | 28.541 | 0602 | 1 | Rel-17 | B | adNRM | agreed |
| S5-215432 | Rel-16 CR 28.541 Correct PLMNInfoList support qualifier | Ericsson LM, Deutsche Telekom | 28.541 | 0603 | - | Rel-16 | F | TEI16,NETSLICE-5GNRM | agreed |
| S5-215433 | Rel-17 CR 28.541 Correct PLMNInfoList support qualifier | Ericsson LM, Deutsche Telekom | 28.541 | 0604 | - | Rel-17 | A | TEI16,NETSLICE-5GNRM | agreed |
| S5-215438 | Rel-16 CR 28.541 Clarify tenant relationship with serviceProfileId | Ericsson LM, Deutsche Telekom AG, Huawei | 28.541 | 0605 | - | Rel-16 | F | MEMTANE | revised |
| S5-215490 | Rel-16 CR 28.541 Clarify tenant relationship with serviceProfileId | Ericsson LM, Deutsche Telekom AG, Huawei | 28.541 | 0605 | 1 | Rel-16 | F | MEMTANE | agreed |
| S5-215439 | Rel-17 CR 28.541 Clarify tenant relationship with serviceProfileId | Ericsson LM, Deutsche Telekom AG, Huawei | 28.541 | 0606 | - | Rel-17 | A | MEMTANE | revised |
| S5-215491 | Rel-17 CR 28.541 Clarify tenant relationship with serviceProfileId | Ericsson LM, Deutsche Telekom AG, Huawei | 28.541 | 0606 | 1 | Rel-17 | A | MEMTANE | agreed |
| S5-215058 | Correction of the typo within the update field of the “5.1.1.24.2 Average Abnormally Released Call (5QI 1 QoS Flow) Duration” measurement. | Nokia Solutions & Networks (I) | 28.552 | 0321 | - | Rel-17 | F | ePM\_KPI\_5G | agreed |
| S5-215195 | Rel-17 CR 28.552 Add Time-domain average Maximum Scheduled Layer Number for MIMO scenario | China Unicom, CATT, ZTE, HUAWEI, ERICSSON | 28.552 | 0322 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-215650 | Rel-17 CR 28.552 Add Time-domain average Maximum Scheduled Layer Number for MIMO scenario | China Unicom, CATT, ZTE, HUAWEI, ERICSSON | 28.552 | 0322 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-215326 | Add PM on Handover failures per beam related to MRO for intra-system mobility | Nokia Germany | 28.552 | 0323 | - | Rel-17 | B | eSON\_5G | not pursued |
| S5-215332 | Introduction of average value of scheduled MIMO layers per PRB | CMCC, ZTE, Huawei, Ericsson | 28.552 | 0324 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-215343 | Rel-16 CR Correct handover execution failure measurement | Ericsson France S.A.S | 28.552 | 0325 | - | Rel-16 | F | 5G\_SLICE\_ePA | revised |
| S5-215514 | Rel-16 CR Correct handover execution failure measurement | Ericsson France S.A.S | 28.552 | 0325 | 1 | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-215344 | Rel-17 CR Correct handover execution failure measurement | Ericsson France S.A.S | 28.552 | 0326 | - | Rel-17 | A | 5G\_SLICE\_ePA | revised |
| S5-215515 | Rel-17 CR Correct handover execution failure measurement | Ericsson France S.A.S | 28.552 | 0326 | 1 | Rel-17 | A | 5G\_SLICE\_ePA | agreed |
| S5-215345 | Rel-16 Update handover measurements | Ericsson, Telefonica, Nokia, CMCC,China Telecom | 28.552 | 0327 | - | Rel-16 | F | 5G\_SLICE\_ePA | revised |
| S5-215516 | Rel-16 Update handover measurements | Ericsson, Telefonica, Nokia, CMCC,China Telecom | 28.552 | 0327 | 1 | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-215346 | Rel-17 Update handover measurements | Ericsson, Telefonica, Nokia, CMCC,China Telecom | 28.552 | 0328 | - | Rel-17 | A | 5G\_SLICE\_ePA | revised |
| S5-215517 | Rel-17 Update handover measurements | Ericsson, Telefonica, Nokia, CMCC,China Telecom | 28.552 | 0328 | 1 | Rel-17 | A | 5G\_SLICE\_ePA | agreed |
| S5-215382 | CR Rel-17 28.552 Add measurements related to AM policy authorization for PCF | Intel Belgium SA/NV | 28.552 | 0329 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-215383 | CR Rel-17 28.552 Add measurements related to SM policy authorization for PCF | Intel Belgium SA/NV | 28.552 | 0330 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-215384 | CR Rel-17 28.552 Add measurements related to event exposure for PCF | Intel Belgium SA/NV | 28.552 | 0331 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-215048 | Rel-17 CR TS 28.554 Add definition of ECns | Orange, Huawei | 28.554 | 0086 | - | Rel-17 | B | EE5GPLUS | revised |
| S5-215555 | Rel-17 CR TS 28.554 Add definition of ECns | Orange, Huawei | 28.554 | 0086 | 1 | Rel-17 | B | EE5GPLUS | agreed |
| S5-215079 | Rel-17 CR 28.554 Add Energy Consumption KPI for NG-RAN | Huawei | 28.554 | 0087 | - | Rel-17 | B | EE5GPLUS | revised |
| S5-215557 | Rel-17 CR 28.554 Add Energy Consumption KPI for NG-RAN | Huawei | 28.554 | 0087 | 1 | Rel-17 | B | EE5GPLUS | agreed |
| S5-215351 | Rel-16 CR 28.622 Add missing definitions of common data types | Nokia, Nokia Shanghai Bell | 28.622 | 0107 | 1 | Rel-16 | F | eNRM | not pursued |
| S5-215122 | Rel-17 CR TS 28.622 Add condition information for threshold monitoring | Huawei | 28.622 | 0119 | - | Rel-17 | B | adNRM | not pursued |
| S5-215130 | Rel-17 CR TS 28.622 Update the scope to be applicable for SBMA | Huawei | 28.622 | 0120 | - | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-215250 | Rel-16 CR 28.622 Introduce missing references | Nokia, Nokia Shanghai Bell | 28.622 | 0121 | - | Rel-16 | F | 5GMDT | agreed |
| S5-215532 | Rel-17 CR 28.622 Add support for MnS Discovery | Huawei | 28.622 | 0122 | - | Rel-17 | B | 5GDMS | agreed |
| S5-215163 | Add new common types for YANG | Ericsson Hungary Ltd | 28.623 | 0138 | - | Rel-17 | B | NSA\_SBMA | revised |
| S5-215572 | Add new common types for YANG | Ericsson Hungary Ltd | 28.623 | 0138 | 1 | Rel-17 | B | NSA\_SBMA | agreed |
| S5-215368 | Correction of YANG Solution set | Ericsson Hungary Ltd | 28.623 | 0139 | - | Rel-16 | F | eNRM | revised |
| S5-215513 | Correction of YANG Solution set | Ericsson Hungary Ltd | 28.623 | 0139 | 1 | Rel-16 | F | eNRM | agreed |
| S5-215533 | Rel-17 CR 28.622 Add support for MnS Discovery | Huawei | 28.623 | 0140 | - | Rel-17 | B | 5GDMS | agreed |
| S5-215110 | YANG Solution Set for Inventory Management | Ericsson Hungary Ltd | 28.633 | 0009 | - | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-215127 | Rel-17 CR TS 28.658 Update the atttibute sNSSAIList to align with NR NRM | Huawei | 28.658 | 0055 | - | Rel-17 | B | NSA\_SBMA | agreed |
| S5-215128 | Rel-17 CR TS 28.658 Align the attribute table with the latest template | Huawei | 28.658 | 0056 | - | Rel-17 | B | NSA\_SBMA | agreed |
| S5-215129 | Rel-17 CR TS 28.658 Update the scope to be applicable for SBMA | Huawei | 28.658 | 0057 | - | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-215132 | Rel-17 CR TS 28.659 Provide YAML solution set for EUTRAN NRM | Huawei | 28.659 | 0039 | - | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-215131 | Rel-17 CR TS 28.662 Update the scope to be applicable for SBMA | Huawei | 28.662 | 0011 | - | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-215133 | Rel-17 CR TS 28.663 Provide YAML solution set for RAN NRM | Huawei | 28.663 | 0021 | - | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-215194 | YANG Solution Set for Generic Radio Access Network NRM | Ericsson Hungary Ltd | 28.663 | 0022 | - | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-215350 | Rel-16 CR 32.158 Add more examples on how to use provisioning operations | Nokia, Nokia Shanghai Bell | 32.158 | 0020 | 1 | Rel-16 | F | TEI16,REST\_SS | revised |
| S5-215648 | Rel-16 CR 32.158 Add more examples on how to use provisioning operations | Nokia, Nokia Shanghai Bell | 32.158 | 0020 | 2 | Rel-16 | F | TEI16,REST\_SS | agreed |
| S5-215160 | Mapping SupportIOCs to YANG | Ericsson Hungary Ltd | 32.160 | 0024 | - | Rel-17 | C | NSA\_SBMA | not pursued |
| S5-215356 | Rel-17 CR 28.160 Amend stage 2 NRM specification template | Nokia, Nokia Shanghai Bell | 32.160 | 0025 | - | Rel-17 | D | METHOGY, TEI17 | withdrawn |
| S5-215109 | Rel-16 CR 32.255 Correction of default chargeable events in SMF for QBC | China Mobile Com. Corporation | 32.255 | 0331 | - | Rel-16 | F | TEI16 | revised |
| S5-215473 | Rel-16 CR 32.255 Correction of default chargeable events in SMF for QBC | China Mobile Com. Corporation | 32.255 | 0331 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-215111 | Rel-17 CR 32.255 Correction of default chargeable events in SMF for QBC | China Mobile Com. Corporation | 32.255 | 0332 | - | Rel-17 | A | TEI16 | revised |
| S5-215474 | Rel-17 CR 32.255 Correction of default chargeable events in SMF for QBC | China Mobile Com. Corporation | 32.255 | 0332 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-215230 | Rel-17 CR 32.255 Correcting charging identifier for NF set | Ericsson LM | 32.255 | 0333 | - | Rel-17 | F | TEI17 | revised |
| S5-215605 | Rel-17 CR 32.255 Correcting charging identifier for NF set | Ericsson LM | 32.255 | 0333 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-215231 | Rel-17 CR 32.255 Correcting missing termination in V-SMF change | Ericsson LM | 32.255 | 0334 | - | Rel-17 | F | TEI17 | agreed |
| S5-215232 | Rel-17 CR 32.255 Correcting unit count inactivity timer enablement | Ericsson LM | 32.255 | 0335 | - | Rel-17 | F | TEI17 | revised |
| S5-215604 | Rel-17 CR 32.255 Correcting unit count inactivity timer enablement | Ericsson LM | 32.255 | 0335 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-215233 | Rel-16 CR 32.255 Correcting UPF trigger in QBC | Ericsson LM | 32.255 | 0336 | - | Rel-16 | F | TEI16 | agreed |
| S5-215234 | Rel-17 CR 32.255 Correcting UPF trigger in QBC | Ericsson LM | 32.255 | 0337 | - | Rel-17 | A | TEI16 | agreed |
| S5-215297 | Rel-17 CR 32.255 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.255 | 0338 | - | Rel-17 | F | 5G\_URLLC | revised |
| S5-215465 | Rel-17 CR 32.255 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.255 | 0338 | 1 | Rel-17 | F | 5G\_URLLC | agreed |
| S5-215298 | Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.255 | 0339 | - | Rel-17 | F | 5G\_URLLC | withdrawn |
| S5-215299 | Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.255 | 0340 | - | Rel-17 | F | 5G\_URLLC | withdrawn |
| S5-215300 | Rel-17 CR 32.255 Correction on Redundant Transmission Indication | Huawei | 32.255 | 0341 | - | Rel-17 | F | 5G\_URLLC | agreed |
| S5-215305 | Rel-16 CR CR 32.255 Correction on the Charging ID Uniqueness | Huawei | 32.255 | 0342 | - | Rel-16 | F | TEI16 | not pursued |
| S5-215306 | Rel-17 CR CR 32.255 Correction on the Charging ID Uniqueness | Huawei | 32.255 | 0343 | - | Rel-17 | A | TEI16 | not pursued |
| S5-215311 | Rel-16 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change | Huawei | 32.255 | 0344 | - | Rel-16 | F | TEI16 | revised |
| S5-215475 | Rel-16 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change | Huawei | 32.255 | 0344 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-215312 | Rel-17 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change | Huawei | 32.255 | 0345 | - | Rel-17 | A | TEI16 | revised |
| S5-215476 | Rel-17 CR 32.255 Remove the CHF address transfer in the Intra-PLMN change | Huawei | 32.255 | 0345 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-215229 | Rel-17 CR 32.290 Correcting charging identifier handling | Ericsson LM | 32.290 | 0170 | - | Rel-17 | F | TEI17 | revised |
| S5-215466 | Rel-17 CR 32.290 Correcting charging identifier handling | Ericsson LM | 32.290 | 0170 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-215235 | Rel-17 CR 32.291 Addition of IMS charging information data types | Ericsson LM | 32.291 | 0344 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-215456 | Rel-17 CR 32.291 Addition of IMS charging information data types | Ericsson LM | 32.291 | 0344 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-215236 | Rel-17 CR 32.291 Addition of IMS charging information enumerations | Ericsson LM | 32.291 | 0345 | - | Rel-17 | B | 5GSIMSCH | agreed |
| S5-215237 | Rel-17 CR 32.291 Addition of IMS charging information general types | Ericsson LM | 32.291 | 0346 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-215457 | Rel-17 CR 32.291 Addition of IMS charging information general types | Ericsson LM | 32.291 | 0346 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-215238 | Rel-17 CR 32.291 Correction of IMS charging information | Ericsson LM | 32.291 | 0347 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-215454 | Rel-17 CR 32.291 Correction of IMS charging information | Ericsson LM | 32.291 | 0347 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-215302 | Rel-17 CR 32.291 Correction on the HTTP status code | Huawei | 32.291 | 0348 | - | Rel-17 | F | TEI17 | not pursued |
| S5-215303 | Rel-17 CR 32.291 Support of stateless CHFs | Huawei | 32.291 | 0349 | - | Rel-17 | F | TEI17 | not pursued |
| S5-215307 | Rel-16 CR CR 32.291 Correction on the Charging ID Uniqueness | Huawei | 32.291 | 0350 | - | Rel-16 | F | TEI16 | not pursued |
| S5-215308 | Rel-17 CR CR 32.291 Correction on the Charging ID Uniqueness | Huawei | 32.291 | 0351 | - | Rel-17 | A | TEI16 | not pursued |
| S5-215315 | Rel-16 CR 32.291 Alignment of the charging data request and response | Huawei | 32.291 | 0352 | - | Rel-16 | F | TEI16 | revised |
| S5-215582 | Rel-16 CR 32.291 Alignment of the charging data request and response | Huawei | 32.291 | 0352 | 1 | Rel-16 | F | TEI16 | not pursued |
| S5-215316 | Rel-17 CR 32.291 Alignment of the charging data request and response | Huawei | 32.291 | 0353 | - | Rel-17 | A | TEI16 | revised |
| S5-215583 | Rel-17 CR 32.291 Alignment of the charging data request and response | Huawei | 32.291 | 0353 | 1 | Rel-17 | A | TEI16 | not pursued |
| S5-215324 | Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.291 | 0354 | - | Rel-17 | F | 5G\_URLLC | revised |
| S5-215467 | Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.291 | 0354 | 1 | Rel-17 | F | 5G\_URLLC | agreed |
| S5-215309 | Rel-16 CR CR 32.298 Correction on the Charging ID Uniqueness | Huawei | 32.298 | 0877 | - | Rel-16 | F | TEI16 | not pursued |
| S5-215310 | Rel-17 CR CR 32.298 Correction on the Charging ID Uniqueness | Huawei | 32.298 | 0878 | - | Rel-17 | A | TEI16 | not pursued |
| S5-215313 | Rel-16 CR 32.298 Alignment of the charging data request and response | Huawei | 32.298 | 0879 | - | Rel-16 | F | TEI16 | revised |
| S5-215580 | Rel-16 CR 32.298 Alignment of the charging data request and response | Huawei | 32.298 | 0879 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-215314 | Rel-17 CR 32.298 Alignment of the charging data request and response | Huawei | 32.298 | 0880 | - | Rel-17 | A | TEI16 | revised |
| S5-215581 | Rel-17 CR 32.298 Alignment of the charging data request and response | Huawei | 32.298 | 0880 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-215325 | Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.298 | 0881 | - | Rel-17 | F | 5G\_URLLC | revised |
| S5-215468 | Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.298 | 0881 | 1 | Rel-17 | F | 5G\_URLLC | agreed |
| S5-215215 | Add new requirements for throttled trace recording session | Ericsson Japan K-K | 32.421 | 0101 | - | Rel-17 | B | e\_5GMDT | agreed |
| S5-215248 | Rel-16 CR 32.422 Introduce missing references | Nokia, Nokia Shanghai Bell | 32.422 | 0375 | - | Rel-16 | F | 5GMDT | agreed |
| S5-215249 | Rel-17 CR 32.422 Introduce missing references | Nokia, Nokia Shanghai Bell | 32.422 | 0376 | - | Rel-17 | A | 5GMDT | agreed |
| S5-215201 | Add MDT polluted measurement indication for trace record in NR | Ericsson Japan K-K | 32.423 | 0125 | - | Rel-17 | B | e\_5GMDT | revised |
| S5-215641 | Add MDT polluted measurement indication for trace record in NR | Ericsson Japan K-K | 32.423 | 0125 | 1 | Rel-17 | B | e\_5GMDT | agreed |
| S5-215214 | Add new adminstrative messages in GPB trace record format | Ericsson Japan K-K | 32.423 | 0126 | - | Rel-17 | B | e\_5GMDT | agreed |
| S5-215357 | Add Exception Reporting Support to PM File Format Definition | Ericsson LM | 32.432 | 0008 | 2 | Rel-17 | C | ePM\_KPI\_5G | not pursued |
| S5-215358 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | 32.435 | 0011 | 2 | Rel-17 | C | ePM\_KPI\_5G | not pursued |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S5-215013 |  | LS cc SA5 on Prioritized Vehicle to Cloud Technical Solutions | Automotive Edge Computing Consortium (AECC) | postponed | (none) |
| S5-215014 |  | LS on Guidelines on Port Allocation for New 3GPP Interfaces | C4-214848 | postponed | (none) |
| S5-215015 |  | Resubmitted Ls on New Whitepaper: “E2E Network Slicing Architecture" | GSMA | replied to | S5-215083 |
| S5-215016 |  | Resubmitted Reply 3GPP LS S5-213522 to TM Forum on Intent Management | TMF | replied to | S5-215486 |
| S5-215017 |  | Resubmitted LS on slicing management aspects in relation to SEAL | S6-210709 | postponed | (none) |
| S5-215018 |  | Resubmitted LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-213454) | ITU-T | noted | (none) |
| S5-215019 |  | Resubmitted LS on the mapping between service types and slice at application | R3-212904 | postponed | (none) |
| S5-215020 |  | Liaison  Multi-SDO Autonomous Networks (AN) SDO:  Legal Representative IPR Discussion Meeting Notes:  Minutes and Actions 13th Sept 2021 Meeting  Ref AN-SDO2021-010 | TMF | noted | (none) |
| S5-215021 |  | Liaison  Multi-SDO Autonomous Networks (AN) Formal Liaison:  Proposal for Legal representative IPR discussion 13th Sept 2021 14:00 CET  Liaison AN-SDO2021-09 | TMF | noted | (none) |
| S5-215022 |  | Reply LS on Inclusive language for ANR | R2-2108869 | postponed | (none) |
| S5-215023 |  | Reply LS on Inclusive Language for ANR | R3-214289 | postponed | (none) |
| S5-215024 |  | Reply LS on using SA5 Performance Measurements and Trace for centralised PCI management | R2-2108967 | noted | (none) |
| S5-215025 |  | LS on QoE Reference and maximum number of QoE configurations in RRC | R2-2109200 | replied to | S5-215213 |
| S5-215026 |  | LS Reply on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | R3-214429 | replied to | S5-215493 |
| S5-215027 |  | Reply LS on QoE configuration and reporting related issues | R3-214471 | postponed | (none) |
| S5-215028 |  | LS on RAN3 agreements for NR QoE | R3-214477 | postponed | (none) |
| S5-215029 |  | LS to SA5 on model deployment and update from OAM to NG-RAN | R3-214481 | noted | ???? |
| S5-215030 |  | LS on the Beam measurement reports for the MDT measurements | R3-214519 | postponed | (none) |
| S5-215031 |  | LS on Network slice information from OAM | S2-2106634 | postponed | (none) |
| S5-215032 |  | LS on TS 28.404/TS 28.405 Clarification | S4-211234 | postponed | (none) |
| S5-215033 |  | LS ccSA5 Reply on requirement for configuration changes of ongoing QMC sessions | S4-211248 | noted | (none) |
| S5-215034 |  | LS Reply on QoE report handling at QoE pause | S4-211290 | postponed | (none) |
| S5-215035 |  | Reply LS ccSA5 on QoE configuration and reporting related issues | S4-211291 | noted | (none) |
| S5-215036 |  | Reply LS ccSA5 to 5G-ACIA on 5G capabilities exposure for factories of the future | SP-211134 | noted | (none) |
| S5-215037 |  | Reply LS on Inclusive language review | SP-211140 | postponed | (none) |
| S5-215442 |  | Reply LS cc SA5 on the mapping between service types and slice at application | S2-2106537 | noted | (none) |
| S5-215443 |  | Reply LS ccSA5 on UPF support for multiple network slices | S2-2106550 | noted | (none) |
| S5-215444 |  | LS ccSA5 on 5G capabilities exposure for factories of the future | S2-2106683 | noted | (none) |
| S5-215480 |  | Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison:  Minutes Legal representative IPR Meeting the 13th of September 2021 and IPR proposal  Liaison AN-SDO2021-10[Document Title] | TMF | replied to | S5-215483 |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-215083 | Reply LS to GSMA on new whitepaper E2E Network Slicing Architecture | GSMA NG | 3GPP SA, SA2, RAN | S5-215015 |
| S5-215213 | Reply LS on QoE Reference and maximum number of QoE configurations in RRC | RAN2,RAN3 | SA4 | S5-215025 |
| S5-215481 | LS on methodology harmonization update | ITU-T SG2 | - |  |
| S5-215483 | Reply LS on Liaison Multi-SDO Autonomous Networks (AN) | TMF | ETSI, GSMA, ONAP, NGNM, CCSA, IEEE, IETF, ITU-T | S5-215480 |
| S5-215484 | LS to 3GPP OPs on Multi-SDO Autonomous Networks (AN) formal cooperation proposal from TM Forum | PCG | SA |  |
| S5-215486 | Reply to TM Forum on Intent Management | TMF | SA | S5-215016 |
| S5-215493 | Reply to: LS Reply on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | RAN3 | RAN2 | S5-215026 |
| S5-215530 | LS to TMF, MEF and GSMA on overall architecture for network slice ordering, provisioning and assurance | TM Forum, MEF, GSMA | SA |  |
| S5-215539 | LS to ITU-T SG2 on autonomous network levels | ITU-T SG2 | 3GPP TSG SA | - |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S5-215495 | New SID on Fault Supervision Evolution | Huawei | SID new |
| S5-215496 | New SID on Key Quality Indicators(KQIs)for 5G service experience | Huawei, China Mobile, China Telecom, AsiaInfo, CATT, China Unicom | SID new |
| S5-215499 | Study on Enhancement of the management aspects related to NWDAF | China Telecom | SID new |
| S5-215647 | New SID on enhancement on management of NPN | Huawei | SID new |
| S5-215417 | Add operational testing in SID scope | Lenovo Future Communications | SID revised |
| S5-215455 | Charging aspects of Architecture Enhancement for NR Reduced Capability Devices | China Mobile Com. Corporation | WID new |
| S5-215458 | New WID on charging aspects of Proximity-based Services in 5GS | CATT | WID new |
| S5-215459 | New WID on Charging Aspects of 5G LAN VN Group | Huawei | WID new |
| S5-215494 | New WID on Self-Configuration of RAN NEs | China Mobile, HUAWEI | WID new |
| S5-215497 | New WID on Network Slice Provisioning Enhancement | Samsung Research America | WID new |
| S5-215402 | Updated WID NSA\_SBMA | Ericsson Inc. | WID revised |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S5-215385 | 32.257 | 0.0.0 | Initial skeleton (v0.0.0) of TS 32.257 |
| S5-215446 | 32.257 | 0.1.0 | Draft TS 32.257 |
| S5-215447 | 28.815 | 1.3.0 | Draft TR 28.815 |
| S5-215448 | 28.816 | 1.1.0 | Draft TR 28.816 |
| S5-215449 | 32.846 | 1.2.0 | Draft TR 32.846 |
| S5-215450 | 28.822 | 0.5.0 | Draft TR 28.822 |
| S5-215451 | 32.847 | 0.5.0 | Draft TR 32.847 |
| S5-215452 | 28.826 | 0.1.0 | Draft TR 28.826 |
| S5-215453 | 28.827 | 0.2.0 | Draft TR 28.827 |
| S5-215623 | 28.557 | 1.1.0 | Latest draft TS 28.557 |
| S5-215624 | 28.100 | 0.7.0 | Latest draft TS 28.100 |
| S5-215625 | 28.312 | 0.6.0 | Latest draft TS 28.312 |
| S5-215626 | 28.556 | 0.4.0 | Latest draft TS 28.556 |
| S5-215627 | 28.104 | 0.2.0 | Latest draft TS 28.104 |
| S5-215628 | 28.314 | 0.3.0 | Latest draft TS 28.314 |
| S5-215629 | 28.315 | 0.2.0 | Latest draft TS 28.315 |
| S5-215630 | 28.538 | 0.3.0 | Latest draft TS 28.538 |
| S5-215631 | 28.813 | 1.2.0 | Latest draft TR 28.813 |
| S5-215632 | 28.811 | 0.7.0 | Latest draft TR 28.811 |
| S5-215633 | 28.824 | 0.3.0 | Latest draft TR 28.824 |
| S5-215634 | 28.819 | 0.3.0 | Latest draft TR 28.819 |
| S5-215635 | 28.925 | 0.3.0 | Latest draft TR 28.925 |
| S5-215636 | 28.825 | 0.2.0 | Latest draft TR 28.825 |

## Annex F: List of participants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented |
| Dr. | Al-kanani | Hassan | NEC Europe Ltd | NEC Corporation |
| Mrs. | Allwang | Christiane | Nokia Germany | Nokia Germany |
| Mrs. | Ayani | Zhulia | Ericsson LM | Oy LM Ericsson AB |
| Ing. | Bouchmal | Faiza | Casa Systems Inc. | Casa Systems Inc. |
| 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 E-Commerce Co. |
| Mr. | Chen | Dong | Beijing Xiaomi Mobile Software | Xiaomi Communications |
| Miss | CHEN | SHAN | Huawei Tech.(UK) Co.. Ltd | HiSilicon Technologies Co. Ltd |
| Mr. | Chen | Ying | TD Tech Ltd | TD Tech Ltd |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | Intel Corporation (UK) Ltd |
| Dr. | Cornily | Jean Michel | Orange | Orange Spain |
| Mr. | Dempo | Hiroshi | NEC Corporation | NEC Corporation |
| Miss | Dong | Jia | China Mobile E-Commerce Co. | China Mobile Com. Corporation |
| Mr. | Edwards | Robert | Matrixx | Matrixx |
| Mr. | Elmdahl | Per | Ericsson France S.A.S | Ericsson France S.A.S |
| Dr. | Featherstone | Walter | Samsung R&D Institute UK | Samsung Electronics Co., Ltd |
| Miss | Feng | Chengcheng | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Gao | Xiao-Ming | Ericsson LM | Ericsson LM |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | Samsung Research America |
| Mr. | Glozman | Borislav | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Mr. | Görmer | Gerald | Matrixx | Matrixx |
| Mr. | Groenendijk | Jan | Ericsson LM | Ericsson LM |
| Prof. | Guan | Ke | BJTU | BJTU |
| Miss | Guo | Chuyi | China Mobile Research Inst. | China Mobile Com. Corporation |
| Miss | Guo | Shasha | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Gupta | Varini | Samsung R&D Institute India | Samsung Guangzhou Mobile R&D |
| Mr. | Guttman | Erik | Samsung R&D Institute UK | Samsung Electronics GmbH |
| 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. | Kapoor | Rajesh | TSDSI | TSDSI |
| Mr. | Kaushik | Ashutosh | Samsung R&D Institute UK | Samsung R&D Institute India |
| 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. | Levitan | Ben | CTIA | TIA |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Nanjing Ericsson Panda Com Ltd |
| Mr. | Li | Shitao | Huawei Tech.(UK) Co.. Ltd | HUAWEI TECH. GmbH |
| Mr. | Libunao | Gerardo | Verizon UK Ltd | Verizon UK Ltd |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Mobile Software | Beijing Xiaomi Software Tech |
| Ms. | Lu | Wei | Xiaomi Technology | Xiaomi Technology |
| Mr. | Lu | Yang | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Device Co., Ltd |
| 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 |
| Ing. | Moggio | Fabrizio | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Dr. | Mwanje | Stephen | Nokia | Nokia Germany |
| Mr. | Ordonez-Lucena | Jose | TELEFONICA S.A. | TELEFONICA S.A. |
| Mr. | Pal | Raj | U.S. Department of Defense | U.S. Department of Defense |
| Mr. | Patry | Frank | Omnispace | Omnispace |
| 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 GmbH |
| 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 |
| Mr. | Sama | Malla Reddy | DOCOMO Communications Lab. | DOCOMO Communications Lab. |
| Dr. | Samdanis | Konstantinos | Nokia Germany | Nokia Germany |
| Mr. | Scott | Mark | Ericsson LM | Ericsson LM |
| 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 |
| Mr. | Sonal | Umit Kaan | TURKCELL | TURKCELL |
| 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 Technologies Inc |
| Mr. | Tangudu | Narendranath Durga | Samsung R&D Institute India | SAMSUNG R&D INSTITUTE JAPAN |
| Mr. | tanikawa | kazunori | NICT | NICT |
| Mr. | Thalanany | Sebastian | US Cellular Corporation | US Cellular Corporation |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson España S.A. |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM |
| Mr. | Vaishnavi | Ishan | Lenovo (Beijing) Ltd | Lenovo Future Communications |
| Dr. | Wang | Dan | IPLOOK | IPLOOK |
| Ms. | Wang | Junfeng | Ericsson LM | Oy LM Ericsson AB |
| Mr. | Wang | Le | CMDI | CMDI |
| Ms. | Wang | Man | HuaWei Technologies Co., Ltd | Huawei Telecommunication India |
| Dr. | Wang | Zhaoning | China Unicom | China Unicom |
| Ms. | Weaver | Farni | T-Mobile USA | T-Mobile USA |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Dr. | Xu | Lexi | China Unicom | China Unicom |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co.. Ltd | HUAWEI Technologies Japan K.K. |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel Sweden AB |
| Dr. | Yu | Xiaobo | Alibaba (China) Group., Ltd. | Alibaba (China) Group., Ltd. |
| Ms. | Yuchao | Jin | China Unicom | China Unicom |
| Mr. | Zadeh | Bagher | Ericsson LM | Ericsson LM |
| 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 |
| Mr. | Zhao | Song | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Mr. | Zhu | Weihong | ZTE Corporation | CALTTA |
| Ms. | Zou | Lan | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies (Korea) |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#140e | 15/11/2021 | 24/11/2021 | Electronic | Online |  |
| SA5#141e | 17/01/2022 | 26/01/2022 | Electronic | Online |  |