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

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

**Electronic meeting, Online, 15/11/2021 to 24/03/2021**

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## 1 Opening of the emeeting

NOTE: Minutes of the conference calls and a summary of the email discussions can be found in the Leadership notes: S5-216008 for Charging and S5-216007 OAM/plenary.

## 2 Approval of the agenda

**S5-216000 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

**S5-216001 Report from last SA5 meeting**

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

**Decision:** The document was **revised to S5-216336**.

**S5-216336 Report from last SA5 meeting**

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

(Replaces S5-216001)

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

### 4.2 Last SA meeting report

### 4.3 Inter-organizational reports

**S5-216277 SA5 presentation for Linux Networking Foundation 9 June 2021**

*Type: other For: Information  
 Source: 3GPP SA5 Chair, 3GPP SA5 Vice-Chair(Huawei)*

**Abstract:**

This SA5 presentation was made by the SA5 chair (Thomas) and VC (Zou Lan) on the LFN/ONAP conference session on automation related standardization the 9 June 2021.

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

**S5-216278 Presentation slides for 3GPP\_SA5\_Webinar\_Part1\_SA5\_OAM (ETSI3GPP Webinar 28 October 2021)**

*Type: other For: (not specified)  
 Source: 3GPP SA5 Chair, 3GPP SA5 Vice-Chair(Huawei)*

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

**S5-216279 SA5 presentation for GSMA Mobile World Congress Barcelona 29 June 2021**

*Type: other For: Information  
 Source: 3GPP SA5 Chair, 3GPP SA5 Vice-Chair(Huawei)*

**Abstract:**

This SA5 presentation was created by the SA5 chair (Thomas) and VC (Zou Lan) and presented (online) by Thomas on the GSMA Mobile World Congress Barcelona session on Autonomous networks standardization the 29 June 2021.

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

**S5-216280 SA5 presentation for the TMF Autonomous Networks Industry Summit China 23 Sept. 2021**

*Type: other For: Information  
 Source: 3GPP SA5 Chair, 3GPP SA5 Vice-Chair(Huawei)*

**Abstract:**

This SA5 presentation was created by the SA5 chair (Thomas) and VC (Zou Lan) and presented by Thomas on the TMF Autonomous Networks Industry Summit China, originally planned the 7 July 2021 but postponed to 23 Sept. (made as a video recording) due to the

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

### 5.1 Administrative issues at SA5 level

**S5-216002 e-meeting process**

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

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

**S5-216003 Post e-meeting email approval status**

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

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

**S5-216010 SA5 working procedures**

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

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

**S5-216011 Process for management of draft TS-TRs**

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

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

**S5-216250 Forge working procedure change in SA5 Working Procedures**

*Type: other For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

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

### 5.2 Technical issues at SA5 level

### 5.3 Liaison statements at SA5 level

**S5-216013 Resubmitted 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 **replied to in S5-216412**.

**S5-216412 Reply to: LS cc SA5 on Prioritized Vehicle to Cloud Technical Solutions**

*Type: LS out For: approval  
 to Automotive Edge Computing Consortium (AECC), cc 3GPP TSG SA，3GPP SA WG1, 3GPP SA WG2, 3GPP SA WG6  
 Source: Huawei*

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

**S5-216014 Resubmitted 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**.

**S5-216015 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**.

**S5-216017 Resubmitted 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 **replied to in S5-216197**.

**S5-216197 Reply to: Reply LS on Inclusive language for ANR**

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

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

**S5-216018 Resubmitted 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 **noted**.

**S5-216025 Resubmitted Reply LS on Inclusive language review**

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

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

**S5-216026 LS ccSA5 on updating the readme.md file in 3GPP Forge**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-215475*

**Decision:** The document was **replied to in S5-216413**.

**S5-216413 Reply to: LS ccSA5 on updating the readme.md file in 3GPP Forge**

*Type: LS out For: approval  
 to CT3, CT4, cc SA, CT, CT1, SA4  
 Source: Huawei*

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

**S5-216027 LSccSA5 on updating the readme.md file in 3GPP Forge**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C3-215408*

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

**S5-216031 LIAISON STATEMENT TO 3GPP TSG SA AND SA6 (forwarded to SA5) - APT REPORT ON EMERGING CRITICAL APPLICATIONS & USE CASES OF IMT FOR INDUSTRIAL, SOCIETAL AND ENTERPRISE USERS**

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

**Abstract:**

SA6 was of the view that this LS may be of interest & relevance to SA1, SA2 and SA5 and the meeting hence actioned to forward the LS aforementioned WGs.

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

**S5-216033 LS on introducing NR RedCap Indication**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2107853*

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

**S5-216035 LS on MINT functionality for Disaster Roaming**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2108172*

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

**S5-216267 Reply LS on network slice management service consumption**

*Type: LS out For: (not specified)  
 to 3GPP SA6, cc 3GPP SA2  
 Source: China Mobile*

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

**S5-216418 Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison:**

**22nd November 2021 Meeting Invitation, Agenda, Bridge, and**

**Meeting Schedule Ref AN-SDO2021-13**

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

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

### 5.4 SA5 meeting calendar

**S5-216012 SA5 meeting calendar**

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

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

### 6.1 OAM&P Plenary

**S5-216004 OAM&P action list**

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

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

**S5-216005 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

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

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

**S5-216006 OAM Exec Report**

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

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

**S5-216007 OAM Chair notes and conclusions**

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

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

**S5-216016 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 **replied to in S5-216414**.

**S5-216414 Reply to: LS on the mapping between service types and slice at application**

*Type: LS out For: approval  
 to RAN3, cc SA4, RAN2, SA2, CT1  
 Source: Ericsson*

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

**S5-216019 Resubmitted 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 **replied to in S5-216415**.

**S5-216415 Reply to: Reply LS on QoE configuration and reporting related issues**

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

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

**S5-216020 Resubmitted 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**.

**S5-216021 Resubmitted 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 **replied to in S5-216628**.

**S5-216137 Reply to: LS on the Beam measurement reports for the MDT measurements**

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

**Decision:** The document was **revised to S5-216628**.

**S5-216628 Reply to: LS on the Beam measurement reports for the MDT measurements**

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

(Replaces S5-216137)

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

**S5-216022 Resubmitted 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 **replied to in S5-216416**.

**S5-216416 Reply to: LS on Network slice information from OAM**

*Type: LS out For: approval  
 to SA2  
 Source: Ericsson*

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

**S5-216023 Resubmitted 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**.

**S5-216024 Resubmitted 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 **replied to in S5-216417**.

**S5-216417 Reply to: LS Reply on QoE report handling at QoE pause**

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

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

**S5-216032 LSout to 3GPP SA5 about MANO performance measurements accuracy to estimate VNF energy consumption**

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

**Decision:** The document was **replied to in S5-216419**.

**S5-216419 Reply to: LSout to 3GPP SA5 about MANO performance measurements accuracy to estimate VNF energy consumption**

*Type: LS out For: approval  
 to ETSI ISG NFV, cc SA  
 Source: ORANGE*

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

**S5-216036 LS on network slice management service consumption**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-212460*

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

**S5-216232 Collection of useful endorsed document and external communication documents**

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

(Replaces S5-215154)

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

**S5-216240 Rel-17 CR TS 32.103 Update 5G specifications information**

*Type: CR For: (not specified)  
 32.103 v16.2.0 CR-0032 Cat: F (Rel-17)  
  
 Source: Huawei Technologies (Korea)*

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

**S5-216357 LS reply to RAN3 on model deployment and update from OAM to NG-RAN**

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

**Decision:** The document was **revised to S5-216423**.

**S5-216423 LS to RAN3 on model deployment and update from OAM to NG-RAN**

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

(Replaces S5-216357)

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

**S5-216374 Discussion on structuring Rel-18 work in SA5**

*Type: discussion For: Endorsement  
 Source: Orange, Deutsche Telekom*

**Decision:** The document was **revised to S5-216551**.

**S5-216551 Discussion on structuring Rel-18 work in SA5**

*Type: discussion For: Endorsement  
 Source: Orange, Deutsche Telekom*

(Replaces S5-216374)

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

### 6.2 New OAM&P Work Item proposals

**S5-216048 New SID on new aspects of EE for 5G networks Phase 2**

*Type: SID new For: Agreement  
 Source: Orange*

**Decision:** The document was **revised to S5-216424**.

**S5-216424 New SID on new aspects of EE for 5G networks Phase 2**

*Type: SID new For: Agreement  
 Source: Orange*

(Replaces S5-216048)

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

**S5-216049 New WID on enhancements of EE for 5G phase 2**

*Type: WID new For: Agreement  
 Source: Orange*

**Decision:** The document was **revised to S5-216425**.

**S5-216425 New WID on enhancements of EE for 5G phase 2**

*Type: WID new For: Agreement  
 Source: Orange*

(Replaces S5-216049)

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

**S5-216091 New Rel-18 WID on Enhanced intent driven management services for mobile network**

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

(Replaces S5-215086)

**Decision:** The document was **revised to S5-216577**.

**S5-216577 New Rel-18 WID on Enhanced intent driven management services for mobile network**

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

(Replaces S5-216091)

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

**S5-216132 New SID Study on Computing Power Management and Orchestration**

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

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

**S5-216167 New SID Intent driven management for 5GC**

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

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

**S5-216182 New SID on alignment with GSMA OPG and ETSI MEC for Edge computing management**

*Type: SID new For: Agreement  
 Source: Huawei, Samsung*

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

**S5-216229 New SID on deterministic communication service assurance**

*Type: SID new For: Agreement  
 Source: Huawei, China Mobile, CATT, China Unicom*

**Decision:** The document was **revised to S5-216426**.

**S5-216426 New SID on deterministic communication service assurance**

*Type: SID new For: Agreement  
 Source: Huawei, China Mobile, CATT, China Unicom*

(Replaces S5-216229)

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

**S5-216243 New SID on PaaS for Virtualized Network Functions**

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

**Decision:** The document was **revised to S5-216579**.

**S5-216579 New SID on PaaS for Virtualized Network Functions**

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

(Replaces S5-216243)

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

**S5-216262 Discussion on digital twin for network management**

*Type: discussion For: Endorsement  
 Source: China Mobile*

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

**S5-216263 New SID on Digital twin for network management**

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

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

**S5-216264 New SID on Federated machine learning for mobile network management**

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

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

**S5-216306 New R18 SID on Conflict management and coordination**

*Type: SID new For: Approval  
 Source: Lenovo, Motorola Mobility*

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

**S5-216309 Discussion Paper on new R18 study for conflict management**

*Type: discussion For: Discussion  
 Source: Lenovo, Motorola Mobility*

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

**S5-216313 New Rel-18 SID AI/ML management**

*Type: SID new For: Agreement  
 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, AsiaInfo*

**Decision:** The document was **revised to S5-216427**.

**S5-216427 New Rel-18 SID AI/ML management**

*Type: SID new For: Agreement  
 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, AsiaInfo*

(Replaces S5-216313)

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

**S5-216349 New WID on network slicing provisioning rules**

*Type: WID new For: (not specified)  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-216549**.

**S5-216549 New WID on network slicing provisioning rules**

*Type: WID new For: -  
 Source: Ericsson Inc.*

(Replaces S5-216349)

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

**S5-216351 New SID on intent-driven network slicing management**

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

**Decision:** The document was **revised to S5-216578**.

**S5-216578 New SID on intent-driven network slicing management**

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

(Replaces S5-216351)

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

**S5-216356 Motivation for a Feasibility Study on Network and Service Operations for Energy Verticals**

*Type: discussion For: Discussion  
 Source: Samsung, EUTC*

**Abstract:**

This document presents the background, motivation and objectives of for a Rel-18 study time for management aspects of communications for smart energy. This was motivated by the Smart Energy Infrastructure (SEI) work item in SA1.

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

**S5-216359 New SID on Network and Service Operations for Energy Verticals**

*Type: SID new For: Agreement  
 Source: EUTC, Samsung, BMWi, Vodafone, Orange, Novamint*

**Abstract:**

This SID proposes a new study on network and service operations for energy verticals.

**Decision:** The document was **revised to S5-216428**.

**S5-216428 New SID on Network and Service Operations for Energy Verticals**

*Type: SID new For: Agreement  
 Source: EUTC, Samsung, BMWi, Vodafone, Orange, Novamint*

(Replaces S5-216359)

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

**S5-216371 New SID Study on measurement data collection to support RAN intelligence**

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

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

**S5-216375 New SID on evaluation of autonomous network levels**

*Type: SID new For: Approval  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Lenovo, Motorola Mobility, Intel*

**Decision:** The document was **revised to S5-216429**.

**S5-216429 New SID on evaluation of autonomous network levels**

*Type: SID new For: Approval  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Lenovo, Motorola Mobility, Intel*

(Replaces S5-216375)

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

**S5-216376 New SID on enhancement of autonomous network levels**

*Type: SID new For: Approval  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Lenovo, Motorola Mobility, Intel*

(Replaces S5-215165)

**Decision:** The document was **revised to S5-216430**.

**S5-216430 New SID on enhancement of autonomous network levels**

*Type: SID new For: Approval  
 Source: China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Lenovo, Motorola Mobility, Intel*

(Replaces S5-216376)

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

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

**S5-216037 Add new common types for YANG**

*Type: CR For: Approval  
 28.623 v16.9.0 CR-0141 Cat: B (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-216039 Correction of YANG Solution set**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0607 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-216054 Rel-16 CR 28.310 Update energy saving solutions**

*Type: CR For: Approval  
 28.310 v16.5.0 CR-0019 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216431**.

**S5-216431 Rel-16 CR 28.310 Update energy saving solutions**

*Type: CR For: Approval  
 28.310 v16.5.0 CR-0019 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-216054)

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

**S5-216055 Rel-17 CR 28.310 Update energy saving solutions**

*Type: CR For: Approval  
 28.310 v17.2.0 CR-0020 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216432**.

**S5-216432 Rel-17 CR 28.310 Update energy saving solutions**

*Type: CR For: Approval  
 28.310 v17.2.0 CR-0020 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-216055)

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

**S5-216066 Update 5GC NRM for 5G\_DDNMF reference point**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0613 Cat: F (Rel-17)  
  
 Source: CATT*

**Abstract:**

This CR is subsequent change based on S5-214164 and S2-2106093

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

**S5-216100 Rel-17 CR 32.421 Introduce missing interfaces of HSS**

*Type: CR For: Approval  
 32.421 v17.2.0 CR-0102 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-216101 Rel-17 CR 32.422 Introduce missing interfaces of HSS**

*Type: CR For: Approval  
 32.422 v17.4.0 CR-0377 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-216102 Rel-16 CR 32.421 Introduce missing interfaces of HSS**

*Type: CR For: Approval  
 32.421 v16.1.0 CR-0103 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-216103 Rel-16 CR 32.422 Introduce missing interfaces of HSS**

*Type: CR For: Approval  
 32.422 v16.7.0 CR-0378 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-216104 Rel-16 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record**

*Type: CR For: Approval  
 32.423 v16.4.0 CR-0127 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-216443**.

**S5-216443 Rel-16 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record**

*Type: CR For: Approval  
 32.423 v16.4.0 CR-0127 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-216104)

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

**S5-216105 Rel-17 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record**

*Type: CR For: Approval  
 32.423 v17.2.0 CR-0128 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-216444**.

**S5-216444 Rel-17 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record**

*Type: CR For: Approval  
 32.423 v17.2.0 CR-0128 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-216105)

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

**S5-216106 Rel-16 CR 28.623 Introduce missing IEs for HSS and UDM Trace Record**

*Type: CR For: Approval  
 28.623 v16.9.0 CR-0142 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-216122 Rel-16 CR TS 28.405 Correct the description of QoE reference and PLMN target**

*Type: CR For: Agreement  
 28.405 v16.1.0 CR-0004 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

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

**S5-216198 Rel-17 CR TS 28.541 Update inclusive language modification for TS 28.541**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0619 Cat: D (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216437**.

**S5-216437 Rel-17 CR TS 28.541 Update inclusive language modification for TS 28.541**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0619 rev 1 Cat: D (Rel-17)  
  
 Source: Huawei*

(Replaces S5-216198)

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

**S5-216207 Rel-16 CR TS 28.541 Correct the wrong reference for TS 32.160**

*Type: CR For: Agreement  
 28.541 v16.10.0 CR-0620 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-216208 Rel-17 CR TS 28.541 Correct the wrong reference for TS 32.160**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0621 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-216209 Rel-15 CR TS 28.622 Update the scope to be applicable for SBMA**

*Type: CR For: Agreement  
 28.622 v15.5.0 CR-0123 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-216210 Rel-16 CR TS 28.622 Update the scope to be applicable for SBMA**

*Type: CR For: Agreement  
 28.622 v16.9.0 CR-0124 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-216211 Rel-15 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA**

*Type: CR For: Agreement  
 28.658 v15.6.0 CR-0058 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216580**.

**S5-216580 Rel-15 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA**

*Type: CR For: Agreement  
 28.658 v15.6.0 CR-0058 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-216211)

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

**S5-216212 Rel-16 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA**

*Type: CR For: Agreement  
 28.658 v16.4.0 CR-0059 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216581**.

**S5-216581 Rel-16 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA**

*Type: CR For: Agreement  
 28.658 v16.4.0 CR-0059 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-216212)

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

**S5-216213 Rel-15 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA**

*Type: CR For: Agreement  
 28.662 v15.3.0 CR-0012 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216618**.

**S5-216618 Rel-15 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA**

*Type: CR For: Agreement  
 28.662 v15.3.0 CR-0012 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-216213)

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

**S5-216214 Rel-16 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA**

*Type: CR For: Agreement  
 28.662 v16.0.0 CR-0013 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216619**.

**S5-216619 Rel-16 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA**

*Type: CR For: Agreement  
 28.662 v16.0.0 CR-0013 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-216214)

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

**S5-216215 Rel-16 CR TS 28.533 Fix editorial issues**

*Type: CR For: Agreement  
 28.533 v16.7.0 CR-0094 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-216216 Rel-17 CR TS 28.533 Fix editorial issue**

*Type: CR For: Agreement  
 28.533 v17.0.0 CR-0095 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-216244 Rel-16 Fix stage3 definition for plmnId**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0623 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-216245 Fix stage3 definition for plmnId**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0624 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-216287 Rel-16 CR 28.622 Add missing definitions of common data types**

*Type: CR For: Approval  
 28.622 v16.9.0 CR-0107 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-215351)

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

**S5-216288 Rel-17 CR 28.160 Amend stage 2 NRM specification template**

*Type: CR For: Approval  
 32.160 v17.3.0 CR-0025 rev 1 Cat: D (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-215356)

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

**S5-216307 Rel-16 CR 28.552 Correct definition of Distribution of UL UE throughput in gNB**

*Type: CR For: Approval  
 28.552 v16.11.0 CR-0334 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-216310 Rel-17 CR 28.552 Correct definition of Distribution of UL UE throughput in gNB**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0335 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-216323 Correct handover trigger**

*Type: CR For: Approval  
 28.313 v16.1.0 CR-0042 Cat: C (Rel-16)  
  
 Source: Ericsson France S.A.S*

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

**S5-216324 Correct handover trigger**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0043 Cat: C (Rel-17)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-216433**.

**S5-216433 Correct handover trigger**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0043 rev 1 Cat: C (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-216324)

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

**S5-216325 Correct maximumDeviationHoTrigger**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0632 Cat: F (Rel-16)  
  
 Source: Ericsson France S.A.S*

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

**S5-216326 Correct maximumDeviationHoTrigger**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0633 Cat: A (Rel-17)  
  
 Source: Ericsson France S.A.S*

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

**S5-216327 Correct wording and header**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0337 Cat: F (Rel-17)  
  
 Source: Ericsson France S.A.S*

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

**S5-216331 Rel-16 CR 32.422 Update to include Trace Failure admin messages**

*Type: CR For: Approval  
 32.422 v16.7.0 CR-0380 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216441**.

**S5-216441 Rel-16 CR 32.422 Update to include Trace Failure admin messages**

*Type: CR For: Approval  
 32.422 v16.7.0 CR-0380 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-216331)

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

**S5-216333 Rel-17 CR 32.422 Update to include trace failure admin messages**

*Type: CR For: Approval  
 32.422 v17.4.0 CR-0381 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216442**.

**S5-216442 Rel-17 CR 32.422 Update to include trace failure admin messages**

*Type: CR For: Approval  
 32.422 v17.4.0 CR-0381 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-216333)

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

**S5-216337 Rel-16 CR 32.422 Correction of IP Address of Trace Collection Entity**

*Type: CR For: Approval  
 32.422 v16.7.0 CR-0382 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-216339 Rel-17 CR 32.422 Correction of IP Address of Trace Collection Entity**

*Type: CR For: Approval  
 32.422 v17.4.0 CR-0383 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-216347 Rel-16 CR 28.622 Clarify behavior of NtfSubscriptionControl**

*Type: CR For: Approval  
 28.622 v16.9.0 CR-0125 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-216440**.

**S5-216440 Rel-16 CR 28.622 Clarify behavior of NtfSubscriptionControl**

*Type: CR For: Approval  
 28.622 v16.9.0 CR-0125 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-216347)

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

**S5-216352 Rel-16 CR 28.532 Correct spelling of notifyAlarmListRebuilt**

*Type: CR For: Approval  
 28.532 v16.9.0 CR-0193 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-216434**.

**S5-216434 Rel-16 CR 28.532 Correct spelling of notifyAlarmListRebuilt**

*Type: CR For: Approval  
 28.532 v16.9.0 CR-0193 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-216352)

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

**S5-216389 Correct spelling of Attribute properties**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0638 Cat: A (Rel-17)  
  
 Source: Ericsson India Private Limited*

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

**S5-216393 Clarify business requirement and correct punctuation**

*Type: CR For: Approval  
 28.535 v16.4.0 CR-0060 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-216394 Clarify communication service in requirement CSA-CON-06**

*Type: CR For: Approval  
 28.535 v16.4.0 CR-0061 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-216435**.

**S5-216435 Clarify communication service in requirement CSA-CON-06**

*Type: CR For: Approval  
 28.535 v16.4.0 CR-0061 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-216394)

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

**S5-216395 Clarify business requirement and correct punctuation**

*Type: CR For: Approval  
 28.535 v17.3.0 CR-0062 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-216396 Clarify communication service in requirement CSA-CON-06**

*Type: CR For: Approval  
 28.535 v17.3.0 CR-0063 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-216436**.

**S5-216436 Clarify communication service in requirement CSA-CON-06**

*Type: CR For: Approval  
 28.535 v17.3.0 CR-0063 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-216396)

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

**S5-216402 Correct spelling of Attribute properties**

*Type: CR For: Approval  
 28.541 v16.10.0 CR-0640 Cat: F (Rel-16)  
  
 Source: Ericsson India Private Limited*

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

**S5-216420 Latest draft TR 28.817**

*Type: draft TR For: Approval  
 28.817 v1.1.0  
 Source: Nokia*

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

**S5-216421 Presentation sheet for SA approval of TR 28.817**

*Type: TS or TR cover For: Approval  
 28.817 v..  
 Source: Nokia*

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

#### 6.4.1 Management of non-public networks

**S5-216056 pCR 28.557 Update names for management modes of NPN**

*Type: pCR For: Approval  
 28.557 v1.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216445**.

**S5-216445 pCR 28.557 Update names for management modes of NPN**

*Type: pCR For: Approval  
 28.557 v1.1.0  
 Source: Huawei*

(Replaces S5-216056)

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

**S5-216057 pCR 28.557 Solution for management of SNPN**

*Type: pCR For: Approval  
 28.557 v1.1.0  
 Source: Huawei*

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

**S5-216058 pCR 28.557 Solution for exposure of management capability of PNI-NPN**

*Type: pCR For: Approval  
 28.557 v1.1.0  
 Source: Huawei*

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

**S5-216059 pCR 28.557 Solution for collecting UE related data**

*Type: pCR For: Approval  
 28.557 v1.1.0  
 Source: Huawei*

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

**S5-216060 pCR 28.557 Update NPN management aspects**

*Type: pCR For: Approval  
 28.557 v1.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216550**.

**S5-216550 pCR 28.557 Update NPN management aspects**

*Type: pCR For: Approval  
 28.557 v1.1.0  
 Source: Huawei*

(Replaces S5-216060)

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

**S5-216061 pCR 28.557 Remove editor notes**

*Type: pCR For: Approval  
 28.557 v1.1.0  
 Source: Huawei*

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

**S5-216062 pCR 28.557 Rapporteur proposal**

*Type: pCR For: Approval  
 28.557 v1.1.0  
 Source: Huawei*

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

**S5-216598 Latest draft TS 28.557**

*Type: draft TS For: Approval  
 28.557 v1.2.0  
 Source: Huawei*

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

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

**S5-216063 Rel-17 CR 28.541 Remove editor notes**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0612 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-216246 Rel-17 network slice isolation**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0625 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-216247 network slice protection on N6 interface**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0626 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-216438**.

**S5-216438 network slice protection on N6 interface**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0626 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-216247)

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

**S5-216248 network slice specific authentication**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0627 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-216439**.

**S5-216439 network slice specific authentication**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0627 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-216248)

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

**S5-216269 Modification of network slice related requirements**

*Type: CR For: (not specified)  
 28.531 v17.1.0 CR-0098 Cat: B (Rel-17)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S5-216446**.

**S5-216446 Modification of network slice related requirements**

*Type: CR For: -  
 28.531 v17.1.0 CR-0098 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile*

(Replaces S5-216269)

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

**S5-216270 Rel-17 Correction of attribute in ServiceProfile and CNSliceSubnetProfile**

*Type: CR For: (not specified)  
 28.541 v17.4.0 CR-0628 Cat: F (Rel-17)  
  
 Source: China Mobile*

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

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

**S5-216135 Add new requirements for configuration of beam level measurement**

*Type: CR For: (not specified)  
 32.421 v17.2.0 CR-0104 Cat: B (Rel-17)  
  
 Source: Ericsson Japan K-K*

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

**S5-216136 Add beam level configuration parameter in NR**

*Type: CR For: (not specified)  
 32.422 v17.4.0 CR-0379 Cat: B (Rel-17)  
  
 Source: Ericsson Japan K-K*

**Decision:** The document was **revised to S5-216537**.

**S5-216537 Add beam level configuration parameter in NR**

*Type: CR For: -  
 32.422 v17.4.0 CR-0379 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson Japan K-K*

(Replaces S5-216136)

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

#### 6.4.4 Additional NRM features

**S5-216093 Rel-17 CR 28.541 Stage 3 YANG updates for stage 2 CRs 214164, 585-8**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0614 Cat: C (Rel-17)  
  
 Source: Cisco Systems Belgium*

**Abstract:**

Rel-17 28.541 Stage 3 YANG updates for previously approved CR docs 214164, 214585, 214586, 214587, 214588

**Decision:** The document was **revised to S5-216620**.

**S5-216620 Rel-17 CR 28.541 Stage 3 YANG updates for stage 2 CRs 214164, 585-8**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0614 rev 1 Cat: C (Rel-17)  
  
 Source: Cisco Systems Belgium*

(Replaces S5-216093)

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

**S5-216168 Rel-17 CR 28.541 Add N70 N71 stage 3**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0616 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-216271 Rel-17 Enhance NRM of UDM function**

*Type: CR For: (not specified)  
 28.541 v17.4.0 CR-0629 Cat: B (Rel-17)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S5-216538**.

**S5-216538 Rel-17 Enhance NRM of UDM function**

*Type: CR For: -  
 28.541 v17.4.0 CR-0629 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile*

(Replaces S5-216271)

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

**S5-216272 TS28.541 CR Rel-17 Stage3 Update for UPF and PCF**

*Type: CR For: (not specified)  
 28.541 v17.4.0 CR-0630 Cat: F (Rel-17)  
  
 Source: China Mobile*

**Decision:** The document was **revised to S5-216539**.

**S5-216539 TS28.541 CR Rel-17 Stage3 Update for UPF and PCF**

*Type: CR For: -  
 28.541 v17.4.0 CR-0630 rev 1 Cat: F (Rel-17)  
  
 Source: China Mobile*

(Replaces S5-216272)

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

**S5-216314 Rel-17 CR 28.541 Introduce missing attribute nrFreqRelationRef in table of attribute properties (stage2)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0631 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-216540**.

**S5-216540 Rel-17 CR 28.541 Introduce missing attribute nrFreqRelationRef in table of attribute properties (stage2)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0631 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-216314)

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

**S5-216332 Rel-17 CR 28.541 Correct attribute in IOC NRCellRelation (stage 3)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0634 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-216541**.

**S5-216541 Rel-17 CR 28.541 Correct attribute in IOC NRCellRelation (stage 3)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0634 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-216332)

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

**S5-216343 Rel-17 CR TS 28.622 Add condition information for threshold monitoring**

*Type: CR For: Agreement  
 28.622 v16.9.0 CR-0119 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215122)

**Abstract:**

Resubmission of S5-215122

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

**S5-216361 Rel-17 CR 28.541 Introduce bidirectional association between NRCellDU and Beam**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0635 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-216364 Enhance 5G Core managed NF Profile NRM fragment (Stage 2)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0636 Cat: B (Rel-17)  
  
 Source: Nokia Germany, Orange, DT, Telefonica*

**Decision:** The document was **revised to S5-216542**.

**S5-216542 Enhance 5G Core managed NF Profile NRM fragment (Stage 2)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0636 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Germany, Orange, DT, Telefonica*

(Replaces S5-216364)

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

**S5-216365 5GC NRM enhancements for ManagedNFProfile (Stage 3)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0637 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-216543**.

**S5-216543 5GC NRM enhancements for ManagedNFProfile (Stage 3)**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0637 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

(Replaces S5-216365)

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

**S5-216381 Rel-17 CR 28.623 Stage 3 YANG correction of \_3gpp-common-trace**

*Type: CR For: Approval  
 28.623 v16.9.0 CR-0143 Cat: F (Rel-17)  
  
 Source: Cisco Systems Belgium*

**Abstract:**

YANG XPath corrections

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

**S5-216407 IMS parts in 28.705 to YANG-YAML**

*Type: discussion For: Endorsement  
 Source: Ericsson Hungary Ltd*

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

#### 6.4.5 Enhancement of QoE Measurement Collection

**S5-216089 Adding Signalling Based Activation for UTRAN and LTE**

*Type: CR For: Approval  
 28.405 v16.1.0 CR-0003 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216544**.

**S5-216544 Adding Signalling Based Activation for UTRAN and LTE**

*Type: CR For: Approval  
 28.405 v16.1.0 CR-0003 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-216089)

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

**S5-216094 Adding Management Based Activation and Temporary stop and restart during RAN overload in NR**

*Type: draftCR For: Approval  
 28.405 v16.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216545**.

**S5-216545 Adding Management Based Activation and Temporary stop and restart during RAN overload in NR**

*Type: draftCR For: Approval  
 28.405 v16.1.0  
 Source: Ericsson LM*

(Replaces S5-216094)

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

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

**S5-216133 Rel-17 CR 28.552 Add enhanced MIMO PRB Usage for cell**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0333 Cat: B (Rel-17)  
  
 Source: China Unicom*

**Decision:** The document was **revised to S5-216546**.

**S5-216546 Rel-17 CR 28.552 Add enhanced MIMO PRB Usage for cell**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0333 rev 1 Cat: B (Rel-17)  
  
 Source: China Unicom*

(Replaces S5-216133)

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

**S5-216134 Discussion on enhanced MIMO PRB Usage for cell**

*Type: discussion For: Endorsement  
 28.552 v..  
 Source: China Unicom*

**Decision:** The document was **revised to S5-216547**.

**S5-216547 Discussion on enhanced MIMO PRB Usage for cell**

*Type: discussion For: Endorsement  
 28.552 v..  
 Source: China Unicom*

(Replaces S5-216134)

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

**S5-216354 CR Rel-17 28.552 Add measurements related to subscriber data management for UDM**

*Type: CR For: Agreement  
 28.552 v17.4.0 CR-0338 Cat: B (Rel-17)  
  
 Source: Intel*

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

**S5-216355 CR Rel-17 28.552 Add measurements related to parameter provision for UDM**

*Type: CR For: Agreement  
 28.552 v17.4.0 CR-0339 Cat: B (Rel-17)  
  
 Source: Intel*

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

**S5-216362 Add PM on Handover failures per beam related to MRO for intra-system mobility**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0340 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-216548**.

**S5-216548 Add PM on Handover failures per beam related to MRO for intra-system mobility**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0340 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-216362)

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

#### 6.4.7 Management of the enhanced tenant concept

**S5-216166 Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0615 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-216169 Rel-17 CR 28.531 Update NSI and NSSI allocation precedures**

*Type: CR For: Agreement  
 28.531 v17.1.0 CR-0097 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-216170 Rel-17 CR 28.541 Update ServiceProfile and SliceProfile**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0617 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-216228 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 2 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215089)

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

**S5-216391 DP tenant representation in 3GPP management system**

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

(Replaces S5-213134)

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

#### 6.4.8 Management data collection control and discovery

**S5-216098 Rel-17 draftCR 28.537 Add requirements for data management**

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

(Replaces S5-215273)

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

**S5-216099 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*

(Replaces S5-215251)

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

**S5-216115 Rel-17 InputToDraftCR 28.537 Targeted management data collection**

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

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

**S5-216117 Rel-17 InputToDraftCR 28.622 ManagementDataSubscription**

*Type: other For: Agreement  
 28.622 v..  
 Source: Samsung, Ericsson*

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

**S5-216292 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 S5-215362)

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

**S5-216293 Rel-17 Input to DraftCR 28.537 Add requirements for context data**

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

(Replaces S5-215363)

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

**S5-216294 Rel-17 Input to DraftCR 28.622 Add solution for reporting and storing data**

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

(Replaces S5-215365)

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

**S5-216369 Discussion on Requesting Management Data for a Geographical Area**

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

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

**S5-216370 Management Data Collection Job in NRM**

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

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

**S5-216399 Input to Draft CR 28.622 Define solution for data discovery**

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

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

#### 6.4.9 Autonomous network levels

**S5-216217 pCR TS 28.100 update Annex A to align with clause 7.1**

*Type: pCR For: Approval  
 28.100 v0.7.0  
 Source: Huawei,China Mobile*

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

**S5-216256 pCR TS 28.100 Update scope**

*Type: pCR For: Approval  
 28.100 v0.7.0  
 Source: China Mobile, Huawei*

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

**S5-216257 pCR TS 28.100 Update workflow, tasks and generic autonomous network level description**

*Type: pCR For: Approval  
 28.100 v0.7.0  
 Source: China Mobile, Huawei*

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

**S5-216258 pCR TS 28.100 Clean up**

*Type: pCR For: Approval  
 28.100 v0.7.0  
 Source: China Mobile, Huawei*

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

**S5-216259 Presentation of Spec to TSG TS 28.100 Version 2.0.0**

*Type: other For: Approval  
 28.100 v-  
 Source: China Mobile*

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

**S5-216599 Latest draft TS 28.100**

*Type: draft TS For: Approval  
 28.100 v0.8.0  
 Source: China Mobile*

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

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

**S5-216042 Description of Information Elements of an Intent**

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

(Replaces S5-215285)

**Decision:** The document was **revised to S5-216447**.

**S5-216447 Description of Information Elements of an Intent**

*Type: pCR For: Approval  
 28.312 v0.5.0  
 Source: Nokia Germany, Nokia Shanghai Bell, Huawei Asiainfo*

(Replaces S5-216042)

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

**S5-216043 Extend Attributes of the Intent IOC**

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

(Replaces S5-215286)

**Decision:** The document was **revised to S5-216448**.

**S5-216448 Extend Attributes of the Intent IOC**

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

(Replaces S5-216043)

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

**S5-216126 pCR 28.312 ServiceDeploymentExpectation Datatype definition**

*Type: pCR For: Agreement  
 28.312 v0.6.0  
 Source: Samsung Electronics France SA*

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

**S5-216218 pCR TS 28.312 Update the concept of intent in clause 4.1.3**

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

**Decision:** The document was **revised to S5-216449**.

**S5-216449 pCR TS 28.312 Update the concept of intent in clause 4.1.3**

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

(Replaces S5-216218)

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

**S5-216219 pCR TS 28.312 Update the use case description to align with intent definition**

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

**Decision:** The document was **revised to S5-216450**.

**S5-216450 pCR TS 28.312 Update the use case description to align with intent definition**

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

(Replaces S5-216219)

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

**S5-216220 pCR TS 28.312 Add concept of intent translation**

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

**Decision:** The document was **revised to S5-216451**.

**S5-216451 pCR TS 28.312 Add concept of intent translation**

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

(Replaces S5-216220)

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

**S5-216221 pCR TS 28.312 Update intent life cycle management in Annex B.1**

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

**Decision:** The document was **revised to S5-216452**.

**S5-216452 pCR TS 28.312 Update intent life cycle management in Annex B.1**

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

(Replaces S5-216221)

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

**S5-216222 pCR TS 28.312 pCR TS 28.312 Add generic Intent management requirements**

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

**Decision:** The document was **revised to S5-216453**.

**S5-216453 pCR TS 28.312 pCR TS 28.312 Add generic Intent management requirements**

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

(Replaces S5-216222)

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

**S5-216223 pCR TS 28.312 Update intent information model**

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

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

**S5-216224 pCR TS 28.312 Update RadioNetworkExpectation**

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

**Decision:** The document was **revised to S5-216454**.

**S5-216454 pCR TS 28.312 Update RadioNetworkExpectation**

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

(Replaces S5-216224)

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

**S5-216261 pCR 28.312 update the intent definition**

*Type: pCR For: Approval  
 28.312 v0.6.0  
 Source: China Mobile Com. Corporation*

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

**S5-216266 pCR 28.312 update the terms and introduction of use cases**

*Type: pCR For: Approval  
 28.312 v0.6.0  
 Source: China Mobile Com. Corporation*

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

**S5-216273 Add judge requirements and intent database query requirements for intent driven management**

*Type: pCR For: (not specified)  
 28.312 v0.6.0  
 Source: China Mobile*

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

**S5-216301 Discussion on Intent Model**

*Type: discussion For: Discussion  
 Source: AsiaInfo Technologies Inc*

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

**S5-216360 pCR TS 28.312 Add attributes of the IntentReport**

*Type: pCR For: (not specified)  
 28.312 v0.6.0  
 Source: AsiaInfo Technologies Inc*

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

**S5-216400 Update intent information model**

*Type: pCR For: Agreement  
 28.312 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-216591 Latest draft TS 28.312**

*Type: draft TS For: Approval  
 28.312 v0.7.0  
 Source: Huawei*

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

**S5-216629 Latest draft TS 28.312**

*Type: draft TS For: Approval  
 28.312 v0.7.0  
 Source: Huawei*

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

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

**S5-216119 pCR 28.556 Add notificaition definition**

*Type: pCR For: Approval  
 28.556 v0.4.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-216455**.

**S5-216455 pCR 28.556 Add notificaition definition**

*Type: pCR For: Approval  
 28.556 v0.4.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-216119)

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

**S5-216120 pCR 28.556 Change stage 2 information attribute definition**

*Type: pCR For: Approval  
 28.556 v0.4.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-216456**.

**S5-216456 pCR 28.556 Change stage 2 information attribute definition**

*Type: pCR For: Approval  
 28.556 v0.4.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-216120)

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

**S5-216121 pCR 28.556 Add stage 3 definition**

*Type: pCR For: Approval  
 28.556 v0.4.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-216458**.

**S5-216458 pCR 28.556 Add stage 3 definition**

*Type: pCR For: Approval  
 28.556 v0.4.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-216121)

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

**S5-216124 Presentation of Spec 28.556 to SA for Approval**

*Type: TS or TR cover For: (not specified)  
 28.556 v0.4.0  
 Source: China Mobile Com. Corporation*

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

**S5-216173 pCR 28.556 update Policy activation and deactivation procedure**

*Type: pCR For: Approval  
 28.556 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216457**.

**S5-216457 pCR 28.556 update Policy activation and deactivation procedure**

*Type: pCR For: Approval  
 28.556 v0.4.0  
 Source: Huawei*

(Replaces S5-216173)

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

**S5-216174 pCR 28.556 update PolicyContent definition**

*Type: pCR For: Approval  
 28.556 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216459**.

**S5-216459 pCR 28.556 update PolicyContent definition**

*Type: pCR For: Approval  
 28.556 v0.4.0  
 Source: Huawei*

(Replaces S5-216174)

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

**S5-216600 Latest draft TS 28.556**

*Type: draft TS For: Approval  
 28.556 v0.5.0  
 Source: China Mobile*

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

#### 6.4.12 Enhanced Closed loop SLS Assurance

**S5-216230 Rel-17 Input to draftCR S5-215550 TS 28.536 Updates to assurance report for eCOSLA**

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

**Decision:** The document was **revised to S5-216460**.

**S5-216460 Rel-17 Input to draftCR S5-215550 TS 28.536 Updates to assurance report for eCOSLA**

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

(Replaces S5-216230)

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

**S5-216231 Rel-17 Input to draftCR S5-215550 TS 28.536 Add stage 3 SS definitions to assurance report for eCOSLA**

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

**Decision:** The document was **revised to S5-216461**.

**S5-216461 Rel-17 Input to draftCR S5-215550 TS 28.536 Add stage 3 SS definitions to assurance report for eCOSLA**

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

(Replaces S5-216231)

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

**S5-216397 Discussion paper on composite management service for Cosla**

*Type: discussion For: Endorsement  
 Source: Ericsson LM*

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

**S5-216406 Draft CR Rel 17 Add support for pause point**

*Type: draftCR For: Agreement  
 28.536 v17.0.0  
 Source: Lenovo, Motorola Mobility*

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

**S5-216596 DraftCR for eCOSLA - TS 28.536**

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

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

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

**S5-216040 Rel-17 CR 28.313 Add LBO use cases, requirements, and procedure**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0037 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-216462**.

**S5-216462 Rel-17 CR 28.313 Add LBO use cases, requirements, and procedure**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0037 rev 1 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-216040)

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

**S5-216095 Rel-17 CR 28.532 Add definition of additionalText in notifyMOIAttributeValueChanges**

*Type: CR For: Approval  
 28.532 v16.9.0 CR-0192 Cat: C (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-216107 Rel-17 CR 28.313 Add information in the PCI configuration notification**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0038 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-216108 Rel-17 CR 28.313 Add information in the C-SON notification**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0039 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-216195 Rel-17 CR 28.313 Add C-SON CCO control information**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0040 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216463**.

**S5-216463 Rel-17 CR 28.313 Add C-SON CCO control information**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0040 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-216195)

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

**S5-216196 Rel-17 CR 28.541 Add C-SON CCO NRM model**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0618 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-216322 Clause number correction**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0041 Cat: F (Rel-17)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-216464**.

**S5-216464 Clause number correction**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0041 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-216322)

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

**S5-216363 Add beam specific handover counters to MRO**

*Type: CR For: Approval  
 28.313 v17.2.0 CR-0044 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

#### 6.4.14 Enhancement of Handover Optimization

**S5-216050 Rel-17 CR NRM for CHO**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0608 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-216465**.

**S5-216465 Rel-17 CR NRM for CHO**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0608 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-216050)

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

**S5-216051 Rel-17 CR NRM for CHO Stage 3**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0609 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-216466**.

**S5-216466 Rel-17 CR NRM for CHO Stage 3**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0609 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-216051)

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

**S5-216052 Rel-17 CR NRM for DAPS handover**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0610 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-216467**.

**S5-216467 Rel-17 CR NRM for DAPS handover**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0610 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-216052)

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

**S5-216053 Rel-17 CR NRM for DAPS handover Stage 3**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0611 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-216468**.

**S5-216468 Rel-17 CR NRM for DAPS handover Stage 3**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0611 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-216053)

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

**S5-216319 Conditional Handover services and procedures**

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

**Decision:** The document was **revised to S5-216613**.

**S5-216613 Conditional Handover services and procedures**

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

(Replaces S5-216319)

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

**S5-216320 DAPS handover services and procedures**

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

**Decision:** The document was **revised to S5-216614**.

**S5-216614 DAPS handover services and procedures**

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

(Replaces S5-216320)

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

**S5-216321 DAPS handover Performance Measurements**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0336 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

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

**S5-216621 DraftCR for E-HOO - TS 28.313**

*Type: draftCR For: Approval  
 28.313 v17.2.0  
 Source: Huawei*

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

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

**S5-216068 Revised WID Enhancements on EE for 5G networks**

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

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

**S5-216341 Rel-17 CR TS 28.554 Add definition of 5GC energy efficiency (EE) KPI**

*Type: CR For: Agreement  
 28.554 v17.4.0 CR-0088 Cat: B (Rel-17)  
  
 Source: China Telecom*

**Decision:** The document was **revised to S5-216469**.

**S5-216469 Rel-17 CR TS 28.554 Add definition of 5GC energy efficiency (EE) KPI**

*Type: CR For: Agreement  
 28.554 v17.4.0 CR-0088 rev 1 Cat: B (Rel-17)  
  
 Source: China Telecom*

(Replaces S5-216341)

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

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

**S5-216090 Rel-17 Input to Draft CR 28.623 Update YANG for MNS Registry**

*Type: other For: Approval  
 28.623 v..  
 Source: Ericsson LM,Huawei*

(Replaces S5-215263)

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

**S5-216183 Rel-17 CR 28.622 Add support for MnS Discovery**

*Type: CR For: Agreement  
 28.622 v16.9.0 CR-0122 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215532)

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

**S5-216184 Rel-17 CR 28.623 Add support for MnS Discovery**

*Type: CR For: Agreement  
 28.623 v16.9.0 CR-0140 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215533)

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

**S5-216289 Rel-17 DP Solutions for REQ-DMS-3 and REQ-DMS-4 of MnS discovery**

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

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

**S5-216299 Clarifications into existing requirements**

*Type: CR For: Agreement  
 28.537 v17.1.0 CR-0008 Cat: C (Rel-17)  
  
 Source: NEC Europe Ltd*

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

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

**S5-216225 Rel-17 CR TS 32.130 Update RAN sharing scenarios to cover 5G RAN sharing**

*Type: CR For: Agreement  
 32.130 v17.2.0 CR-0015 Cat: B (Rel-17)  
  
 Source: Huawei,China Unicom*

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

**S5-216226 Rel-17 CR TS 32.130 Update requirments for NG-RAN MOCN network sharing scenarios**

*Type: CR For: Agreement  
 32.130 v17.2.0 CR-0016 Cat: B (Rel-17)  
  
 Source: Huawei,China Unicom*

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

**S5-216227 Rel-17 CR TS 28.541 Add YAML solution set for NG-RAN MOCN network sharing scenarios(S5-215534)**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0622 Cat: B (Rel-17)  
  
 Source: Huawei*

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

#### 6.4.18 Enhancements of Management Data Analytics Service

**S5-216125 pCR 28.104 Replace alarm incident with alarm information**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-216471**.

**S5-216471 pCR 28.104 Replace alarm incident with alarm information**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: ZTE Corporation*

(Replaces S5-216125)

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

**S5-216127 pCR 28.104 Software Management usecase and requirements**

*Type: pCR For: Agreement  
 28.104 v0.2.0  
 Source: Samsung Electronics France SA*

**Decision:** The document was **revised to S5-216472**.

**S5-216472 pCR 28.104 Software Management usecase and requirements**

*Type: pCR For: Agreement  
 28.104 v0.2.0  
 Source: Samsung Electronics France SA*

(Replaces S5-216127)

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

**S5-216128 pCR 28.104 Paging Optimization usecase and requirements**

*Type: pCR For: Agreement  
 28.104 v0.2.0  
 Source: Samsung Electronics France SA*

**Decision:** The document was **revised to S5-216473**.

**S5-216473 pCR 28.104 Paging Optimization usecase and requirements**

*Type: pCR For: Agreement  
 28.104 v0.2.0  
 Source: Samsung Electronics France SA*

(Replaces S5-216128)

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

**S5-216129 pCR 28.104 HO Optimization usecase and requirements**

*Type: pCR For: Agreement  
 28.104 v0.2.0  
 Source: Samsung Electronics France SA*

**Decision:** The document was **revised to S5-216474**.

**S5-216474 pCR 28.104 HO Optimization usecase and requirements**

*Type: pCR For: Agreement  
 28.104 v0.2.0  
 Source: Samsung Electronics France SA*

(Replaces S5-216129)

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

**S5-216175 pCR 28.104 Alignment of terminology**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216475**.

**S5-216475 pCR 28.104 Alignment of terminology**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Huawei*

(Replaces S5-216175)

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

**S5-216185 Rel-17 PCR TS 28.104 add coverage analysis requirement**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216476**.

**S5-216476 Rel-17 PCR TS 28.104 add coverage analysis requirement**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

(Replaces S5-216185)

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

**S5-216186 Rel-17 PCR TS 28.104 Add alarm incident analysis use case and requirement**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-216187 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**.

**S5-216188 Rel-17 pCR 28.104 Add KPI anomaly analysis use case and requirement**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-216189 Rel-17 pCR 28.104 Add KPI anomaly analysis solution**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-216190 Rel-17 PCR TS 28.104 add MDA assisted Energy Saving use case and requirement**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216477**.

**S5-216477 Rel-17 PCR TS 28.104 add MDA assisted Energy Saving use case and requirement**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

(Replaces S5-216190)

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

**S5-216191 Rel-17 PCR TS 28.104 add MDA assisted Energy Saving solution**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-216192 Rel-17 PCR TS 28.104 add mobility management solution**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-216193 Rel-17 PCR TS 28.104 add MDA analysis request and report Workflow**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-216194 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 **revised to S5-216622**.

**S5-216622 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*

(Replaces S5-216194)

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

**S5-216236 pCR 28.104 Add E2E latency analysis use case and requirements**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216480**.

**S5-216480 pCR 28.104 Add E2E latency analysis use case and requirements**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Huawei*

(Replaces S5-216236)

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

**S5-216237 pCR 28.104 Add E2E latency analysis solution**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Huawei*

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

**S5-216238 pCR 28.104 Add service experience analysis solution**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Huawei*

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

**S5-216239 pCR 28.104 Add network slice throughput analysis solution**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Huawei*

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

**S5-216241 pCR 28.104 Add network slice instance load analysis use case and requirements**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216552**.

**S5-216552 pCR 28.104 Add network slice instance load analysis use case and requirements**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Huawei*

(Replaces S5-216241)

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

**S5-216242 pCR 28.104 Add network slice instance load analysis solution**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Huawei*

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

**S5-216260 pCR 28.104 add alarm related Incident analysis**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: China Mobile Com. Corporation*

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

**S5-216265 pCR 28.104 Add MDA assisted energy saving**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: China Mobile Com. Corporation*

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

**S5-216268 pCR 28.104 add inter-gNB beam selection optimization**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-216470**.

**S5-216470 pCR 28.104 add inter-gNB beam selection optimization**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-216268)

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

**S5-216274 pCR TS28.104 add MDA related data and usecase requirements**

*Type: pCR For: (not specified)  
 28.104 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-216481**.

**S5-216481 pCR TS28.104 add MDA related data and usecase requirements**

*Type: pCR For: -  
 28.104 v0.2.0  
 Source: China Mobile*

(Replaces S5-216274)

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

**S5-216275 pCR draft TS28.104 add slice coverage analysis**

*Type: pCR For: (not specified)  
 28.104 v0.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-216553**.

**S5-216553 pCR draft TS28.104 add slice coverage analysis**

*Type: pCR For: -  
 28.104 v0.2.0  
 Source: China Mobile*

(Replaces S5-216275)

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

**S5-216300 pCR draft TS28.104, add use case and requirements for MDA historical data**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: NEC Europe Ltd*

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

**S5-216335 pCR 28.104 Add use case and requirement for MDA assisted energy saving analysis**

*Type: pCR For: (not specified)  
 28.104 v0.2.0  
 Source: China Telecom, AsiaInfo*

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

**S5-216338 pCR 28.104 Add MDA capability for MDA assisted energy saving analysis**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: China Telecom, AsiaInfo*

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

**S5-216342 pCR 28.104 Add requirements for ML model training**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Intel*

**Decision:** The document was **revised to S5-216554**.

**S5-216554 pCR 28.104 Add requirements for ML model training**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Intel*

(Replaces S5-216342)

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

**S5-216344 pCR 28.104 Add MnS producer initiated ML model training**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Intel*

**Decision:** The document was **revised to S5-216555**.

**S5-216555 pCR 28.104 Add MnS producer initiated ML model training**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Intel*

(Replaces S5-216344)

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

**S5-216345 pCR Add stage 2 structure for TS 28.104**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Intel, NEC, China Telecom, China Mobile, HUAWEI, CATT, AsiaInfo*

**Decision:** The document was **revised to S5-216556**.

**S5-216556 pCR Add stage 2 structure for TS 28.104**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Intel, NEC, China Telecom, China Mobile, HUAWEI, CATT, AsiaInfo*

(Replaces S5-216345)

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

**S5-216346 DP on requesting a new TS number for AI&ML management**

*Type: discussion For: Approval  
 28.104 v..  
 Source: Intel, NEC*

**Decision:** The document was **revised to S5-216557**.

**S5-216557 DP on requesting a new TS number for AI&ML management**

*Type: discussion For: Approval  
 28.104 v..  
 Source: Intel, NEC*

(Replaces S5-216346)

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

**S5-216348 Revised WID Enhancements of Management Data Analytics Service**

*Type: WID revised For: Approval  
 Source: Intel, NEC*

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

**S5-216350 pCR 28.104 Add MDA capability for coverage problem analysis**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Intel, NEC, HUAWEI*

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

**S5-216353 pCR 28.104 Add common information elements of analytics outputs**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Intel, NEC, China Telecom, HUAWEI*

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

**S5-216368 Add obtaining MDA output**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-216478**.

**S5-216478 Add obtaining MDA output**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Nokia Germany*

(Replaces S5-216368)

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

**S5-216373 Add MDA Request and Control**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Nokia Germany*

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

**S5-216377 Add MDA Request and Control**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-216479**.

**S5-216479 Add MDA Request and Control**

*Type: pCR For: Approval  
 28.104 v0.2.0  
 Source: Nokia Germany*

(Replaces S5-216377)

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

**S5-216601 Latest draft TS 28.104**

*Type: draft TS For: Approval  
 28.104 v0.3.0  
 Source: Intel*

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

#### 6.4.19 Plug and connect support for management of Network Functions

**S5-216096 pCR 28.314 PnC Concepts and Requirements - minor updates**

*Type: pCR For: Approval  
 28.314 v0.3.0  
 Source: Oy LM Ericsson AB*

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

**S5-216097 pCR 28.315 PnC Procedure flows - minor updates**

*Type: pCR For: Approval  
 28.315 v0.2.0  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-216558**.

**S5-216558 pCR 28.315 PnC Procedure flows - minor updates**

*Type: pCR For: Approval  
 28.315 v0.2.0  
 Source: Oy LM Ericsson AB*

(Replaces S5-216097)

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

**S5-216358 pCR 28.316 PnC Data formats - DHCP Request**

*Type: pCR For: Approval  
 28.316 v0.1.0  
 Source: Oy LM Ericsson AB*

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

**S5-216602 Latest draft TS 28.314**

*Type: draft TS For: Approval  
 28.314 v0.4.0  
 Source: Ericsson*

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

**S5-216603 Latest draft TS 28.315**

*Type: draft TS For: Approval  
 28.315 v0.3.0  
 Source: Ericsson*

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

**S5-216604 Latest draft TS 28.316**

*Type: draft TS For: Approval  
 28.316 v0.2.0  
 Source: Ericsson*

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

#### 6.4.20 File Management

**S5-216290 Rel-17 Input to DraftCR 28.622 Amend file retrieval NRM fragment**

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

(Replaces S5-215360)

**Decision:** The document was **revised to S5-216559**.

**S5-216559 Rel-17 Input to DraftCR 28.622 Amend file retrieval NRM fragment**

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

(Replaces S5-216290)

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

**S5-216291 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*

(Replaces S5-215361)

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

**S5-216422 Rel-17 Input to DraftCR 28.623 file retrieval and download control NRM fragment, stage3**

*Type: other For: Approval  
 28.623 v..  
 Source: Ericsson*

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

**S5-216597 DraftCR for FIMA TS 28.622**

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

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

#### 6.4.21 Edge Computing Management

**S5-216038 pCR 28.538 Import attribute tAI to for Edge NRM**

*Type: pCR For: Approval  
 28.538 v0.3.0  
 Source: Nanjing Ericsson Panda Com Ltd, Samsung*

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

**S5-216041 Discussion paper for async solutions to support lifecycle management**

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

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

**S5-216109 Rel-17 CR 28.552 Add EAS data volume measurements**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0332 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-216560**.

**S5-216560 Rel-17 CR 28.552 Add EAS data volume measurements**

*Type: CR For: Approval  
 28.552 v17.4.0 CR-0332 rev 1 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-216109)

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

**S5-216110 pCR 28.538 add MnS information for EAS performance assurance**

*Type: pCR For: Approval  
 28.538 v0.3.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-216561**.

**S5-216561 pCR 28.538 add MnS information for EAS performance assurance**

*Type: pCR For: Approval  
 28.538 v0.3.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-216110)

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

**S5-216123 pCR 28.538 EESFunction definition and procedure**

*Type: pCR For: Agreement  
 28.538 v0.3.0  
 Source: Samsung Electronics France SA*

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

**S5-216176 pCR 28.538 add ECS termination procedure**

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

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

**S5-216177 pCR 28.538 add Provisioning MnS for Edge Computing**

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

**Decision:** The document was **revised to S5-216562**.

**S5-216562 pCR 28.538 add Provisioning MnS for Edge Computing**

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

(Replaces S5-216177)

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

**S5-216178 pCR 28.538 add transport view for EAS**

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

**Decision:** The document was **revised to S5-216563**.

**S5-216563 pCR 28.538 add transport view for EAS**

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

(Replaces S5-216178)

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

**S5-216179 pCR 28.538 updating EAS termination procedure**

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

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

**S5-216372 Discussion paper for asynchronous solutions to support LCM**

*Type: other For: Endorsement  
 Source: Intel Corporation (UK) Ltd*

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

**S5-216605 Latest draft TS 28.538**

*Type: draft TS For: Approval  
 28.538 v0.4.0  
 Source: Samsung*

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

#### 6.4.22 Improved support for NSA in the service-based management architecture

**S5-216092 Update Inventory stage2 to support SBMA**

*Type: CR For: Approval  
 28.632 v16.0.0 CR-0005 Cat: B (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-216164 Rel-17 CR TS 28.659 Provide YAML solution set for EUTRAN NRM**

*Type: CR For: Agreement  
 28.659 v16.2.0 CR-0039 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215132)

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

**S5-216165 Rel-17 CR TS 28.663 Provide YAML solution set for RAN NRM**

*Type: CR For: Agreement  
 28.663 v16.0.0 CR-0021 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215133)

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

**S5-216276 CR Rel-17 TS 28.530 Add description for SBMA supporting manangement of 5G SA and NSA scenarios**

*Type: CR For: (not specified)  
 28.530 v17.1.0 CR-0051 Cat: B (Rel-17)  
  
 Source: Huawei Technologies (Korea)*

**Decision:** The document was **revised to S5-216564**.

**S5-216564 CR Rel-17 TS 28.530 Add description for SBMA supporting manangement of 5G SA and NSA scenarios**

*Type: CR For: -  
 28.530 v17.1.0 CR-0051 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei Technologies (Korea)*

(Replaces S5-216276)

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

**S5-216392 YANG Solution Set for Generic Radio Access Network NRM**

*Type: CR For: Approval  
 28.663 v16.0.0 CR-0022 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-215194)

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

**S5-216398 YANG Solution Set for Inventory Management**

*Type: CR For: Approval  
 28.633 v16.0.0 CR-0009 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-215110)

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

**S5-216401 DP on YANG solution set for Inventory**

*Type: discussion For: Endorsement  
 Source: Ericsson Hungary Ltd*

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

#### 6.4.23 Access control for management service

**S5-216111 enhance SBMA to support access control**

*Type: CR For: (not specified)  
 28.533 v17.0.0 CR-0091 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

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

**S5-216112 enhance SBMA to support access control**

*Type: CR For: Approval  
 28.533 v17.0.0 CR-0092 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

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

**S5-216113 enhance request-response communication paradigm to support access control**

*Type: CR For: Approval  
 28.533 v17.0.0 CR-0093 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

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

**S5-216311 Enhance Management Service to Support Access Control Procedures**

*Type: discussion For: Endorsement  
 Source: Ericsson LM*

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

**S5-216312 Rel-17 CR 28.540 Add requirements for NRM access control**

*Type: CR For: Approval  
 28.540 v17.1.0 CR-0016 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

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

#### 6.4.24 Network slice provisioning enhancement (preliminary work before SA approval)

**S5-216114 CR 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 3**

*Type: CR For: Agreement  
 28.531 v17.1.0 CR-0096 Cat: F (Rel-17)  
  
 Source: Samsung Electronics France SA*

**Abstract:**

Stage 3 for already agreed stage 2 Content

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

**S5-216205 Rel-17 CR TS 28.541 Add feasibility check NRM fragment**

*Type: CR For: Agreement  
 28.541 v17.4.0 CR-0536 rev 2 Cat: B (Rel-17)  
  
 Source: Huawei,China Unicom, Deutsche Telekom,China Mobile*

(Replaces S5-215087)

**Abstract:**

Resubmission of S5-215087rev8

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

**S5-216206 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 2 Cat: B (Rel-17)  
  
 Source: Huawei,China Unicom,Deutsche Telekom,China Mobile*

(Replaces S5-215088)

**Abstract:**

Resubmission of S5-215088

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

**S5-216252 Discussion Paper on Asynchronous design**

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

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

**S5-216387 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 2 Cat: C (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-215498)

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

**S5-216388 Discussion paper on on generalized approach to asynchronous network slicing procedures**

*Type: discussion For: Endorsement  
 Source: Ericsson LM*

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

**S5-216390 Add network slice job class to NRM**

*Type: CR For: Approval  
 28.541 v17.4.0 CR-0639 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

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

#### 6.5.1 Study on new aspects of EE for 5G networks

**S5-216044 Presentation of TR 28.813 for approval**

*Type: TS or TR cover For: Approval  
 28.813 v1.2.0  
 Source: Orange*

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

**S5-216045 pCR TR 28.813 Align conclusion titles**

*Type: pCR For: Approval  
 28.813 v1.2.0  
 Source: Orange*

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

**S5-216046 pCR TR 28.813 Change editor’s note to note in KI#3**

*Type: pCR For: Approval  
 28.813 v1.2.0  
 Source: Orange*

**Decision:** The document was **revised to S5-216565**.

**S5-216565 pCR TR 28.813 Change editor’s note to note in KI#3**

*Type: pCR For: Approval  
 28.813 v1.2.0  
 Source: Orange*

(Replaces S5-216046)

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

**S5-216047 pCR TR 28.813 Add conclusion to Key Issue #3**

*Type: pCR For: Approval  
 28.813 v1.2.0  
 Source: Orange, China Telecom*

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

**S5-216064 pCR 28.813 Update solution of Key Issue 6**

*Type: pCR For: Approval  
 28.813 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216566**.

**S5-216566 pCR 28.813 Update solution of Key Issue 6**

*Type: pCR For: Approval  
 28.813 v1.2.0  
 Source: Huawei*

(Replaces S5-216064)

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

**S5-216065 pCR 28.813 Update impact on normative work of Key Issue 4**

*Type: pCR For: Approval  
 28.813 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216612**.

**S5-216612 pCR 28.813 Update impact on normative work of Key Issue 4**

*Type: pCR For: Approval  
 28.813 v1.2.0  
 Source: Huawei*

(Replaces S5-216065)

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

**S5-216067 Revised SID New aspects of EE for 5G networks**

*Type: SID revised For: Agreement  
 Source: Orange*

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

**S5-216130 Rel-17 pCR 28.813 EE of URLLC slice based on reliability**

*Type: pCR For: Agreement  
 28.813 v1.2.0  
 Source: Samsung Electronics France SA*

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

**S5-216606 Latest draft TR 28.813**

*Type: draft TR For: Approval  
 28.813 v1.3.0  
 Source: ORANGE*

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

#### 6.5.2 Study on network slice management enhancement (revised to include security aspects)

**S5-216171 pCR 28.811 Editorial cleanup**

*Type: pCR For: Approval  
 28.811 v0.7.0  
 Source: Huawei*

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

**S5-216172 Presentation sheet for approval of TR 28.811**

*Type: other For: Approval  
 Source: Huawei*

**Decision:** The document was **revised to S5-216615**.

**S5-216615 Presentation sheet for approval of TR 28.811**

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

(Replaces S5-216172)

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

**S5-216404 Solution for National Roaming Scenario**

*Type: pCR For: Approval  
 28.811 v0.7.0  
 Source: Ericsson India Private Limited*

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

**S5-216405 Update WI for isolation use cases**

*Type: pCR For: Approval  
 28.811 v0.7.0  
 Source: Ericsson India Private Limited*

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

**S5-216607 Latest draft TR 28.811**

*Type: draft TR For: Approval  
 28.811 v0.8.0  
 Source: Huawei*

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

#### 6.5.3 Study on YANG PUSH

#### 6.5.4 Study on network slice management capability exposure

**S5-216181 pCR 28.824 Concept definition for Exposed Management Service**

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

**Decision:** The document was **revised to S5-216582**.

**S5-216582 pCR 28.824 Concept definition for Exposed Management Service**

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

(Replaces S5-216181)

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

**S5-216282 Discussion Paper on exposure scenario**

*Type: discussion For: Endorsement  
 28.824 v..  
 Source: Alibaba Group, AsiaInfo*

**Decision:** The document was **revised to S5-216584**.

**S5-216584 Discussion Paper on exposure scenario**

*Type: discussion For: Endorsement  
 28.824 v..  
 Source: Alibaba Group, AsiaInfo*

(Replaces S5-216282)

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

**S5-216283 Add Use Case for the exposure without going through BSS**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Alibaba Group, AsiaInfo*

**Decision:** The document was **revised to S5-216616**.

**S5-216616 Add Use Case for the exposure without going through BSS**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Alibaba Group, AsiaInfo*

(Replaces S5-216283)

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

**S5-216284 Exposure of network slice as a service**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Alibaba Group, AsiaInfo*

**Decision:** The document was **revised to S5-216617**.

**S5-216617 Exposure of network slice as a service**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Alibaba Group, AsiaInfo*

(Replaces S5-216284)

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

**S5-216285 Consolidate potential requirements of use cases for eMnS discovery service**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-216624**.

**S5-216624 Consolidate potential requirements of use cases for eMnS discovery service**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Alibaba Group*

(Replaces S5-216285)

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

**S5-216308 pCR TR 28.824 add procedures related to product onboarding**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S5-216585**.

**S5-216585 pCR TR 28.824 add procedures related to product onboarding**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S5-216308)

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

**S5-216382 Add text to procedures related to management capability exposure**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-216625**.

**S5-216625 Add text to procedures related to management capability exposure**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-216382)

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

**S5-216383 Clarifications on clause 4 overview**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-216583**.

**S5-216583 Clarifications on clause 4 overview**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-216383)

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

**S5-216384 Clarifications on clause 5 use cases**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-216586**.

**S5-216586 Clarifications on clause 5 use cases**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-216384)

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

**S5-216385 Clarifications on clause 7 solutions**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-216403 pCR 28.824 Exposure to SA6 applications or mddleware**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Lenovo, Motorola Mobility*

**Decision:** The document was **revised to S5-216623**.

**S5-216623 pCR 28.824 Exposure to SA6 applications or mddleware**

*Type: pCR For: Approval  
 28.824 v0.3.0  
 Source: Lenovo, Motorola Mobility*

(Replaces S5-216403)

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

**S5-216608 Latest draft TR 28.824**

*Type: draft TR For: Approval  
 28.824 v0.4.0  
 Source: Alibaba*

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

#### 6.5.5 Study on continuous integration continuous delivery support for 3GPP NFs

**S5-216180 pCR 28.819 Describe ETSI NFV testing framework**

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

**Decision:** The document was **revised to S5-216626**.

**S5-216626 pCR 28.819 Describe ETSI NFV testing framework**

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

(Replaces S5-216180)

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

**S5-216249 pCR 28.819 Supplement for notification data**

*Type: pCR For: Approval  
 28.819 v0.3.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

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

**S5-216251 pCR 28.819 Solution of providing vendor feedback**

*Type: pCR For: Approval  
 28.819 v0.3.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

**Decision:** The document was **revised to S5-216589**.

**S5-216589 pCR 28.819 Solution of providing vendor feedback**

*Type: pCR For: Approval  
 28.819 v0.3.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

(Replaces S5-216251)

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

**S5-216253 pCR 28.819 Solution of environment data collection**

*Type: pCR For: Approval  
 28.819 v0.3.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

**Decision:** The document was **revised to S5-216590**.

**S5-216590 pCR 28.819 Solution of environment data collection**

*Type: pCR For: Approval  
 28.819 v0.3.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

(Replaces S5-216253)

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

**S5-216254 pCR 28.819 Solution of test orchestration**

*Type: pCR For: Approval  
 28.819 v0.3.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

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

**S5-216255 pCR 28.819 Use case of test data analysis**

*Type: pCR For: Approval  
 28.819 v0.3.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

**Decision:** The document was **revised to S5-216592**.

**S5-216592 pCR 28.819 Use case of test data analysis**

*Type: pCR For: Approval  
 28.819 v0.3.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

(Replaces S5-216255)

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

**S5-216366 pCR 28.819 Rapp Cleanup**

*Type: pCR For: (not specified)  
 28.819 v0.3.0  
 Source: Lenovo, Motorola Mobility, CMCC*

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

**S5-216367 pCR - 28.819 Add Proposed overall process**

*Type: pCR For: (not specified)  
 28.819 v0.3.0  
 Source: Lenovo, Motorola Mobility, CMCC*

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

**S5-216378 pCR 28.819 Add initial recomendations**

*Type: pCR For: (not specified)  
 28.819 v0.3.0  
 Source: Lenovo, Motorola Mobilty, CMCC*

**Decision:** The document was **revised to S5-216593**.

**S5-216593 pCR 28.819 Add initial recomendations**

*Type: pCR For: -  
 28.819 v0.3.0  
 Source: Lenovo, Motorola Mobilty, CMCC*

(Replaces S5-216378)

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

**S5-216379 pCR 28.819 Add release model details**

*Type: pCR For: Approval  
 28.819 v0.3.0  
 Source: Lenovo, Motorola Mobility, CMCC*

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

**S5-216380 pCR 28.819 Automated operational testing**

*Type: pCR For: Approval  
 28.819 v0.3.0  
 Source: Lenovo, Motorola Mobility, CMCC*

**Decision:** The document was **revised to S5-216588**.

**S5-216588 pCR 28.819 Automated operational testing**

*Type: pCR For: Approval  
 28.819 v0.3.0  
 Source: Lenovo, Motorola Mobility, CMCC*

(Replaces S5-216380)

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

**S5-216386 pCR 28.819 Providing detailed information for testing an NF**

*Type: pCR For: (not specified)  
 28.819 v0.3.0  
 Source: Lenovo, Motorola Mobility, CMCC*

**Decision:** The document was **revised to S5-216587**.

**S5-216587 pCR 28.819 Providing detailed information for testing an NF**

*Type: pCR For: -  
 28.819 v0.3.0  
 Source: Lenovo, Motorola Mobility, CMCC*

(Replaces S5-216386)

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

**S5-216609 Latest draft TR 28.819**

*Type: draft TR For: Approval  
 28.819 v0.4.0  
 Source: Lenovo*

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

#### 6.5.6 Study on enhancement of service based management architecture

**S5-216233 TR 28.925 Add key issue on modelling of MnF**

*Type: pCR For: Approval  
 28.925 v0.2.0  
 Source: Huawei Technologies (Korea)*

(Replaces S5-215104)

**Decision:** The document was **revised to S5-216594**.

**S5-216594 TR 28.925 Add key issue on modelling of MnF**

*Type: pCR For: Approval  
 28.925 v0.2.0  
 Source: Huawei Technologies (Korea)*

(Replaces S5-216233)

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

**S5-216234 pCR TR 28.925 Add conclusion and recommendation for Issue#6**

*Type: pCR For: (not specified)  
 28.925 v0.3.0  
 Source: Huawei Technologies (Korea)*

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

**S5-216235 pCR TR 28.925 Add potential solution and conclusion for Issue#5**

*Type: pCR For: (not specified)  
 28.925 v0.3.0  
 Source: Huawei Technologies (Korea)*

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

**S5-216281 SID revised was SP-210136 SID on enhancement of service based management architecture**

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

**Decision:** The document was **revised to S5-216595**.

**S5-216595 SID revised was SP-210136 SID on enhancement of service based management architecture**

*Type: SID revised For: -  
 Source: Huawei Technologies (Korea)*

(Replaces S5-216281)

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

**S5-216610 Latest draft TR 28.925**

*Type: draft TR For: Approval  
 28.925 v0.4.0  
 Source: Huawei, Ericsson*

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

#### 6.5.7 Study on Management Aspects of 5G Network Sharing

**S5-216116 pCR 28.825 Add analysis and comparison of potential solutions**

*Type: pCR For: Approval  
 28.825 v0.2.0  
 Source: ZTE, China Unicom*

**Decision:** The document was **revised to S5-216627**.

**S5-216627 pCR 28.825 Add analysis and comparison of potential solutions**

*Type: pCR For: Approval  
 28.825 v0.2.0  
 Source: ZTE, China Unicom*

(Replaces S5-216116)

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

**S5-216118 pCR 28.825 Add recommendation and conclusion**

*Type: pCR For: Approval  
 28.825 v0.2.0  
 Source: ZTE, China Unicom*

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

**S5-216199 pCR 28.825 add reference and abbrevation**

*Type: pCR For: Approval  
 28.825 v0.2.0  
 Source: China Unicom*

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

**S5-216200 pCR 28.825 add concepts and overview**

*Type: pCR For: Approval  
 28.825 v0.2.0  
 Source: China Unicom*

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

**S5-216201 pCR 28.825 rapporteur's proposal**

*Type: pCR For: Approval  
 28.825 v0.2.0  
 Source: China Unicom*

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

**S5-216202 pCR 28.825 add conclusions and recommendations**

*Type: pCR For: Approval  
 28.825 v0.2.0  
 Source: China Unicom*

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

**S5-216203 pCR 28.825 cleanup**

*Type: pCR For: Approval  
 28.825 v0.2.0  
 Source: China Unicom*

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

**S5-216204 Presentation sheet for approval of TR 28.825**

*Type: TS or TR cover For: Approval  
 28.825 v..  
 Source: China Unicom*

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

**S5-216611 Latest draft TR 28.825**

*Type: draft TR For: Approval  
 28.825 v0.3.0  
 Source: China Unicom*

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

### 7.1 Charging Plenary

**S5-216008 CH agenda and time plan**

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

**Decision:** The document was **revised to S5-216483**.

**S5-216483 CH agenda and time plan**

*Type: agenda For: -  
 Source: WG vice Chair (Matrixx)*

(Replaces S5-216008)

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

**S5-216009 Charging exec report**

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

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

**S5-216028 LS reply on UPF reporting for redundant transmission on transport layer**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2107862*

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

**S5-216029 Reply LS on UPF reporting for redundant transmission on transport layer**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-215505*

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

**S5-216030 Reply LS on PSCELL ID availability in SGW CDR**

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

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

**S5-216034 LS Reply ccSA5 on the offline charging only indication**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2107863*

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

**S5-216286 Presentation slides for 3GPP\_SA5\_Webinar\_Part2\_SA5\_CH (ETSI3GPP Webinar 2 November 2021)**

*Type: other For: (not specified)  
 Source: 3GPP SA5 Vice Chair/CH Chair (MATRIXX Software), 3GPP SA5 CH Vice Chair(Huawei)*

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

**S5-216482 Collection of useful charging endorsed and external communication documents**

*Type: discussion For: Information  
 Source: Huawei*

**Decision:** The document was **revised to S5-216506**.

**S5-216506 Collection of useful charging endorsed and external communication documents**

*Type: discussion For: Information  
 Source: Huawei*

(Replaces S5-216482)

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

**S5-216511 LS on Enhancement on Charging Identifier Uniqueness Mechanism**

*Type: LS out For: Approval  
 to CT4, cc CT3  
 Source: Huawei*

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

### 7.2 New Charging Work Item proposals

**S5-216131 New SID on Charging Aspects for Non-Public Networks**

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

**Decision:** The document was **revised to S5-216503**.

**S5-216503 New SID on Charging Aspects for Non-Public Networks**

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

(Replaces S5-216131)

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

**S5-216138 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 S5-216533**.

**S5-216533 New SID on new network resource usage type for charging in the 5G System (5GS)**

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

(Replaces S5-216138)

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

**S5-216139 New Work Item on charging enhancement for 5GS CIoT**

*Type: WID new For: (not specified)  
 Source: Huawei*

**Decision:** The document was **revised to S5-216518**.

**S5-216518 New Work Item on charging enhancement for 5GS CIoT**

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

(Replaces S5-216139)

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

### 7.3 Charging Maintenance and Rel-17 small Enhancements

**S5-216069 Rel-17 CR 32.291 Correcting response code references**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0355 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-216070 Rel-17 CR 32.255 Correcting unit count inactivity timer trigger**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0346 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-216071 Rel-17 CR 32.255 Correcting SSC mode and triggers**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0347 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-216072 Rel-17 CR 32.255 Correcting home provided charging id at inter-PLMN V-SMF change**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0348 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216534**.

**S5-216534 Rel-17 CR 32.255 Correcting home provided charging id and trigger at inter-PLMN V-SMF change**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0348 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-216072)

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

**S5-216148 Discussion paper on Charging Identifier Uniqueness Mechanism**

*Type: discussion For: Agreement  
 Source: Huawei*

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

**S5-216149 Rel-16 CR 32.290 Addition of the Threshold based re-authorization triggers**

*Type: CR For: Agreement  
 32.290 v16.9.0 CR-0171 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216571**.

**S5-216571 Rel-16 CR 32.290 Addition of the Threshold based re-authorization triggers**

*Type: CR For: Agreement  
 32.290 v16.9.0 CR-0171 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-216149)

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

**S5-216150 Rel-17 CR 32.290 Addition of the Threshold based re-authorization triggers**

*Type: CR For: Agreement  
 32.290 v17.3.0 CR-0172 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216572**.

**S5-216572 Rel-17 CR 32.290 Addition of the Threshold based re-authorization triggers**

*Type: CR For: Agreement  
 32.290 v17.3.0 CR-0172 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-216150)

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

**S5-216151 Rel-16 CR 32.290 Clarification on the immediate Report**

*Type: CR For: Agreement  
 32.290 v16.9.0 CR-0173 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-216152 Rel-17 CR 32.290 Clarification on the immediate Report**

*Type: CR For: Agreement  
 32.290 v17.3.0 CR-0174 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216573**.

**S5-216573 Rel-17 CR 32.290 Clarification on the immediate Report**

*Type: CR For: Agreement  
 32.290 v17.3.0 CR-0174 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-216152)

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

**S5-216153 Rel-16 CR 32.290 Clarify the NF consumers**

*Type: CR For: Agreement  
 32.290 v16.9.0 CR-0175 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-216154 Rel-17 CR 32.290 Clarify the NF consumers**

*Type: CR For: Agreement  
 32.290 v17.3.0 CR-0176 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-216155 Rel-16 CR 32.255 Correction on the User Location Time Description**

*Type: CR For: Agreement  
 32.255 v16.10.0 CR-0352 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216567**.

**S5-216567 Rel-16 CR 32.255 Correction on the User Location Time Description**

*Type: CR For: Agreement  
 32.255 v16.10.0 CR-0352 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-216155)

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

**S5-216156 Rel-17 CR 32.255 Correction on the User Location Time Description**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0353 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216568**.

**S5-216568 Rel-17 CR 32.255 Correction on the User Location Time Description**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0353 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-216156)

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

**S5-216158 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 2 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-215582)

**Decision:** The document was **revised to S5-216569**.

**S5-216569 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 3 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-216158)

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

**S5-216159 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 2 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215583)

**Decision:** The document was **revised to S5-216570**.

**S5-216570 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 3 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-216159)

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

**S5-216160 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 2 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215467)

**Decision:** The document was **revised to S5-216574**.

**S5-216574 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 3 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-216160)

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

**S5-216161 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 2 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215468)

**Decision:** The document was **revised to S5-216575**.

**S5-216575 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 3 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-216161)

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

**S5-216408 Rel-16 CR 32.240 Correction on converged charging architecture**

*Type: CR For: Approval  
 32.240 v16.4.0 CR-0430 Cat: F (Rel-16)  
  
 Source: MATRIXX Software*

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

**S5-216409 Rel-17 CR 32.240 Correction on converged charging architecture**

*Type: CR For: Approval  
 32.240 v17.3.0 CR-0431 Cat: A (Rel-17)  
  
 Source: MATRIXX Software*

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

**S5-216410 Rel-16 CR 32.240 Correction on charging architecture for management domain**

*Type: CR For: Approval  
 32.240 v16.4.0 CR-0432 Cat: F (Rel-16)  
  
 Source: MATRIXX Software, Nokia*

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

**S5-216411 Rel-17 CR 32.240 Correction on charging architecture for management domain**

*Type: CR For: Approval  
 32.240 v17.3.0 CR-0433 Cat: A (Rel-17)  
  
 Source: MATRIXX Software, Nokia*

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

**S5-216515 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 2 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-215465)

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

**S5-216524 Rel-16 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v16.9.0 CR-0359 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-216535 Rel-17 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0358 Cat: F (Rel-17)  
  
 Source: Huawei*

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

#### 7.4.1 IMS Charging in 5G System Architecture

**S5-216073 Rel-17 CR 32.281 Addition of IMS converged charging announcement**

*Type: CR For: Agreement  
 32.281 v17.0.0 CR-0011 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216499**.

**S5-216499 Rel-17 CR 32.281 Addition of IMS converged charging announcement**

*Type: CR For: Agreement  
 32.281 v17.0.0 CR-0011 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-216073)

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

**S5-216074 Rel-17 CR 32.291 Addition of IMS converged charging announcement**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0356 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216502**.

**S5-216502 Rel-17 CR 32.291 Addition of IMS converged charging announcement**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0356 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-216074)

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

**S5-216075 Rel-17 CR 32.275 Correction of references for converged charging**

*Type: CR For: Agreement  
 32.275 v17.2.0 CR-0083 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216500**.

**S5-216500 Rel-17 CR 32.275 Correction of references for converged charging**

*Type: CR For: Agreement  
 32.275 v17.2.0 CR-0083 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-216075)

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

**S5-216076 Rel-17 CR 32.291 Addition of MMTel converged charging information**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0357 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216501**.

**S5-216501 Rel-17 CR 32.291 Addition of MMTel converged charging information**

*Type: CR For: Agreement  
 32.291 v17.0.0 CR-0357 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-216076)

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

#### 7.4.2 Charging aspects of Edge Computing

**S5-216315 pCR 32.257 Add High-level 5G System architecture**

*Type: pCR For: Approval  
 32.257 v0.1.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-216507**.

**S5-216507 pCR 32.257 Add High-level 5G System architecture**

*Type: pCR For: Approval  
 32.257 v0.1.0  
 Source: Intel Sweden AB*

(Replaces S5-216315)

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

**S5-216316 pCR 32.257 Add architecture for enabling edge applications**

*Type: pCR For: Approval  
 32.257 v0.1.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-216494**.

**S5-216494 pCR 32.257 Add architecture for enabling edge applications**

*Type: pCR For: Approval  
 32.257 v0.1.0  
 Source: Intel Sweden AB*

(Replaces S5-216316)

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

**S5-216317 pCR 32.257 Add Edge Computing domain converged charging architecture**

*Type: pCR For: Approval  
 32.257 v0.1.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-216495**.

**S5-216495 pCR 32.257 Add Edge Computing domain converged charging architecture**

*Type: pCR For: Approval  
 32.257 v0.1.0  
 Source: Intel Sweden AB*

(Replaces S5-216317)

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

**S5-216318 pCR 32.257 Add charging principles for 5GS usage charging for Edge Computing**

*Type: pCR For: Approval  
 32.257 v0.1.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-216496**.

**S5-216496 pCR 32.257 Add charging principles for 5GS usage charging for Edge Computing**

*Type: pCR For: Approval  
 32.257 v0.1.0  
 Source: Intel Sweden AB*

(Replaces S5-216318)

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

**S5-216328 pCR 32.257 Add charging scenarios for 5GS usage charging for Edge Computing**

*Type: pCR For: Approval  
 32.257 v0.1.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-216510**.

**S5-216510 pCR 32.257 Add charging scenarios for 5GS usage charging for Edge Computing**

*Type: pCR For: Approval  
 32.257 v0.1.0  
 Source: Intel Sweden AB*

(Replaces S5-216328)

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

**S5-216484 Draft TS 32.257**

*Type: draft TS For: Approval  
 32.257 v0.2.0  
 Source: Intel*

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

#### 7.4.3 Charging aspects of Architecture Enhancement for NR Reduced Capability Devices (preliminary work before SA approval)

#### 7.4.4 Charging aspects of Proximity-based Services in 5GS (preliminary work before SA approval)

**S5-216295 Introduction of 5G DDNMF in charging architecture for 5GS**

*Type: other For: Approval  
 32.240 v..  
 Source: CATT*

**Abstract:**

This is CR is preliminary work for 5G\_ProSe\_CH before SA approval

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

**S5-216296 Introduction of 5G ProSe charging and high-level architecture**

*Type: other For: Approval  
 32.277 v..  
 Source: CATT*

**Abstract:**

This is CR is preliminary work for 5G\_ProSe\_CH before SA approval

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

**S5-216297 Add converged charging architecture for ProSe**

*Type: other For: Approval  
 32.277 v..  
 Source: CATT*

**Abstract:**

This is CR is preliminary work for 5G\_ProSe\_CH before SA approval

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

**S5-216302 Introduction of 5G DDNMF in charging architecture for 5GS**

*Type: CR For: Approval  
 32.240 v17.3.0 CR-0429 Cat: B (Rel-17)  
  
 Source: CATT*

**Abstract:**

This is CR is preliminary work for 5G\_ProSe\_CH before SA approval

**Decision:** The document was **revised to S5-216492**.

**S5-216492 Introduction of 5G DDNMF in charging architecture for 5GS**

*Type: CR For: Approval  
 32.240 v17.3.0 CR-0429 rev 1 Cat: B (Rel-17)  
  
 Source: CATT*

(Replaces S5-216302)

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

**S5-216303 Introduction of 5G ProSe charging and high-level architecture**

*Type: CR For: Approval  
 32.277 v16.0.0 CR-0033 Cat: B (Rel-17)  
  
 Source: CATT*

**Abstract:**

This is CR is preliminary work for 5G\_ProSe\_CH before SA approval

**Decision:** The document was **revised to S5-216505**.

**S5-216505 Introduction of 5G ProSe charging and high-level architecture**

*Type: CR For: Approval  
 32.277 v16.0.0 CR-0033 rev 1 Cat: B (Rel-17)  
  
 Source: CATT*

(Replaces S5-216303)

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

**S5-216304 Add converged charging architecture for ProSe**

*Type: CR For: Approval  
 32.277 v16.0.0 CR-0034 Cat: B (Rel-17)  
  
 Source: CATT*

**Abstract:**

This is CR is preliminary work for 5G\_ProSe\_CH before SA approval

**Decision:** The document was **revised to S5-216536**.

**S5-216536 Add converged charging architecture for ProSe**

*Type: CR For: Approval  
 32.277 v16.0.0 CR-0034 rev 1 Cat: B (Rel-17)  
  
 Source: CATT*

(Replaces S5-216304)

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

#### 7.4.5 Charging Aspects of 5G LAN VN Group (preliminary work before SA approval)

**S5-216145 Rel-17 CR 32.255 Addition of the 5G LAN service charging in Annex**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0349 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-216146 Rel-17 CR 32.255 Addition of the 5G LAN service charging in charging principle**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0350 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216497**.

**S5-216497 Rel-17 CR 32.255 Addition of the 5G LAN service charging in charging principle**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0350 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-216146)

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

**S5-216147 Rel-17 CR 32.255 Addition of the 5G LAN service charging requirements**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0351 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-216493**.

**S5-216493 Rel-17 CR 32.255 Addition of the 5G LAN service charging requirements**

*Type: CR For: Agreement  
 32.255 v17.3.0 CR-0351 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-216147)

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

**S5-216498 Rel-17 CR 32.240 Addition of the 5G LAN service charging**

*Type: CR For: Agreement  
 32.240 v17.3.0 CR-0434 Cat: B (Rel-17)  
  
 Source: Huawei*

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

#### 7.5.1 Study on charging aspects of Edge Computing

**S5-216162 Rel-17 pCR 28.815 Correction on CEF based architecuture in solution 7.4.4.9**

*Type: pCR For: Agreement  
 28.815 v1.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216512**.

**S5-216512 Rel-17 pCR 28.815 Correction on CEF based architecuture in solution 7.4.4.9**

*Type: pCR For: Agreement  
 28.815 v1.3.0  
 Source: Huawei*

(Replaces S5-216162)

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

**S5-216163 Rel-17 pCR 28.815 Evaluation and Conclusion for Solution 7.1.4.3**

*Type: pCR For: Agreement  
 28.815 v1.3.0  
 Source: Huawei*

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

**S5-216329 pCR 28.815 Update High-level 5G System architecture**

*Type: pCR For: Approval  
 28.815 v1.3.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-216509**.

**S5-216509 pCR 28.815 Update High-level 5G System architecture**

*Type: pCR For: Approval  
 28.815 v1.3.0  
 Source: Intel Sweden AB*

(Replaces S5-216329)

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

**S5-216330 pCR 28.815 Update the possible solutions for aggregated charging**

*Type: pCR For: Approval  
 28.815 v1.3.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-216513**.

**S5-216513 pCR 28.815 Update the possible solutions for aggregated charging**

*Type: pCR For: Approval  
 28.815 v1.3.0  
 Source: Intel Sweden AB*

(Replaces S5-216330)

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

**S5-216334 pCR 28.815 Add evaluation of edge application access charging via EAS**

*Type: pCR For: Approval  
 28.815 v1.3.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-216514**.

**S5-216514 pCR 28.815 Add evaluation of edge application access charging via EAS**

*Type: pCR For: Approval  
 28.815 v1.3.0  
 Source: Intel Sweden AB*

(Replaces S5-216334)

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

**S5-216340 Presentation of TR 28.815 for approval**

*Type: pCR For: Approval  
 28.815 v2.0.0  
 Source: Intel Sweden AB*

**Decision:** The document was **revised to S5-216516**.

**S5-216516 Presentation of TR 28.815 for approval**

*Type: TS or TR cover For: Approval  
 28.815 v1.3.0  
 Source: Intel Sweden AB*

(Replaces S5-216340)

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

**S5-216485 Draft TR 28.815**

*Type: draft TR For: Approval  
 28.815 v1.4.0  
 Source: Intel*

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

#### 7.5.2 Study on charging aspects of 5GS CIoT

**S5-216140 Rel-17 pCR 28.816 Clean up**

*Type: pCR For: Agreement  
 28.816 v1.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216504**.

**S5-216504 Rel-17 pCR 28.816 Clean up**

*Type: pCR For: Agreement  
 28.816 v1.1.0  
 Source: Huawei*

(Replaces S5-216140)

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

**S5-216486 Draft TR 28.816**

*Type: draft TR For: Approval  
 28.816 v1.2.0  
 Source: Huawei*

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

**S5-216519 Presentation of TR 28.816 for approval**

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

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

#### 7.5.3 Study on charging aspects of Proximity-based Services in 5GC

**S5-216298 Presentation of TR 32.846 for information**

*Type: TS or TR cover For: Approval  
 32.846 v1.2.0  
 Source: CATT*

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

**S5-216305 Presentation of TR 32.846 for approval**

*Type: TS or TR cover For: Approval  
 32.846 v1.2.0  
 Source: CATT*

**Decision:** The document was **revised to S5-216576**.

**S5-216576 Presentation of TR 32.846 for approval**

*Type: TS or TR cover For: Approval  
 32.846 v1.2.0  
 Source: CATT*

(Replaces S5-216305)

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

**S5-216487 Draft TR 32.846**

*Type: draft TR For: Approval  
 32.846 v1.3.0  
 Source: CATT*

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

#### 7.5.4 Study on Charging Aspect of 5G LAN-type Services

**S5-216141 Rel-17 pCR 28.822 Correction on CEF based architecuture in solution 1.2**

*Type: pCR For: Agreement  
 28.822 v0.5.0  
 Source: Huawei*

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

**S5-216142 Rel-17 pCR 28.822 Correction on the editorial issues**

*Type: pCR For: Agreement  
 28.822 v0.5.0  
 Source: Huawei*

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

**S5-216143 Rel-17 pCR 28.822 Correction on the Reference**

*Type: pCR For: Agreement  
 28.822 v0.5.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216517**.

**S5-216517 Rel-17 pCR 28.822 Correction on the Reference**

*Type: pCR For: Agreement  
 28.822 v0.5.0  
 Source: Huawei*

(Replaces S5-216143)

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

**S5-216144 Rel-17 pCR 28.822 Remove the editor‘s note for topic 4**

*Type: pCR For: Agreement  
 28.822 v0.5.0  
 Source: Huawei*

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

**S5-216488 Draft TR 28.822**

*Type: draft TR For: discussion  
 28.822 v0.6.0  
 Source: Huawei*

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

**S5-216520 Presentation of TR 28.822 for information**

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

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

#### 7.5.5 Study on charging aspects for enhancements of Network Slicing Phase 2

**S5-216077 Rel-17 pCR 32.847 New key issue on types of maximum**

*Type: pCR For: Approval  
 32.847 v0.5.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216522**.

**S5-216522 Rel-17 pCR 32.847 New key issue on types of maximum**

*Type: pCR For: Approval  
 32.847 v0.5.0  
 Source: Ericsson LM*

(Replaces S5-216077)

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

**S5-216489 Draft TR 32.847**

*Type: draft TR For: Approval  
 32.847 v0.6.0  
 Source: Matrixx*

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

**S5-216508 Presentation of TR 32.847 for information**

*Type: TS or TR cover For: Approval  
 32.847 v..  
 Source: Matrixx*

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

#### 7.5.6 Study on Nchf charging services phase 2

**S5-216078 Rel-17 pCR 28.826 Use case trigger without usage**

*Type: pCR For: Approval  
 28.826 v0.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216523**.

**S5-216523 Rel-17 pCR 28.826 Use case trigger without usage**

*Type: pCR For: Approval  
 28.826 v0.1.0  
 Source: Ericsson LM*

(Replaces S5-216078)

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

**S5-216079 Rel-17 pCR 28.826 Solution for 3a based on service identifier**

*Type: pCR For: Approval  
 28.826 v0.1.0  
 Source: Ericsson LM*

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

**S5-216080 Rel-17 pCR 28.826 Solution for 3a based on rating group map**

*Type: pCR For: Approval  
 28.826 v0.1.0  
 Source: Ericsson LM*

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

**S5-216081 Rel-17 pCR 28.826 Use case size of charging information**

*Type: pCR For: Approval  
 28.826 v0.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216525**.

**S5-216525 Rel-17 pCR 28.826 Use case size of charging information**

*Type: pCR For: Approval  
 28.826 v0.1.0  
 Source: Ericsson LM*

(Replaces S5-216081)

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

**S5-216490 Draft TR 28.826**

*Type: draft TR For: Approval  
 28.826 v0.2.0  
 Source: Ericsson*

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

#### 7.5.7 Study on 5G roaming charging architecture for wholesale and retail scenarios

**S5-216082 Rel-17 pCR 28.827 Adding reference point architecture to clause 7.1.4**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216526**.

**S5-216526 Rel-17 pCR 28.827 Adding reference point architecture to clause 7.1.4**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

(Replaces S5-216082)

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

**S5-216083 Rel-17 pCR 28.827 Adding SBI architecture to clause 7.2.4**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216527**.

**S5-216527 Rel-17 pCR 28.827 Adding SBI architecture to clause 7.2.4**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

(Replaces S5-216083)

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

**S5-216084 Rel-17 pCR 28.827 Adding reference point architecture to clause 7.3.4**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216528**.

**S5-216528 Rel-17 pCR 28.827 Adding reference point architecture to clause 7.3.4**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

(Replaces S5-216084)

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

**S5-216085 Rel-17 pCR 28.827 Adding reference point architecture to clause 7.4.4**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216529**.

**S5-216529 Rel-17 pCR 28.827 Adding reference point architecture to clause 7.4.4**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

(Replaces S5-216085)

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

**S5-216086 Rel-17 pCR 28.827 New use case MVNO without CHF**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216530**.

**S5-216530 Rel-17 pCR 28.827 New use case MVNO without CHF**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

(Replaces S5-216086)

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

**S5-216087 Rel-17 pCR 28.827 New potential solution MVNO without CHF**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216531**.

**S5-216531 Rel-17 pCR 28.827 New potential solution MVNO without CHF**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

(Replaces S5-216087)

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

**S5-216088 Rel-17 pCR 28.827 Adding reference point architecture to clause 7.5.4**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-216532**.

**S5-216532 Rel-17 pCR 28.827 Adding reference point architecture to clause 7.5.4**

*Type: pCR For: Approval  
 28.827 v0.2.0  
 Source: Ericsson LM*

(Replaces S5-216088)

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

**S5-216157 Rel-17 pCR 28.827 Correction on the potential charging architectures**

*Type: pCR For: Agreement  
 28.827 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-216521**.

**S5-216521 Rel-17 pCR 28.827 Correction on the potential charging architectures**

*Type: pCR For: Agreement  
 28.827 v0.2.0  
 Source: Huawei*

(Replaces S5-216157)

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

**S5-216491 Draft TR 28.827**

*Type: draft TR For: Approval  
 28.827 v0.3.0  
 Source: Ericsson*

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

## 8 Any Other Business

Report prepared by: 33.926\_CR0050\_(Rel-17)\_eSCAS\_5G

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S5-216000 | Agenda | WG Chair | approved |  |  |
| S5-216001 | Report from last SA5 meeting | MCC | revised |  | S5-216336 |
| S5-216002 | e-meeting process | WG Chair | noted |  |  |
| S5-216003 | Post e-meeting email approval status | WG Chair | available |  |  |
| S5-216004 | OAM&P action list | WG Vice Chair (Huawei) | noted |  |  |
| S5-216005 | agenda\_with\_Tdocs\_sequence\_proposal\_OAM | WG Vice Chair (Huawei) | noted |  |  |
| S5-216006 | OAM Exec Report | WG Vice Chair (Huawei) | noted |  |  |
| S5-216007 | OAM Chair notes and conclusions | WG Chair | noted |  |  |
| S5-216008 | CH agenda and time plan | WG vice Chair (Matrixx) | revised |  | S5-216483 |
| S5-216009 | Charging exec report | WG vice Chair (Matrixx) | noted |  |  |
| S5-216010 | SA5 working procedures | WG Chair | noted |  |  |
| S5-216011 | Process for management of draft TS-TRs | WG Chair | noted |  |  |
| S5-216012 | SA5 meeting calendar | WG CHair | noted |  |  |
| S5-216013 | Resubmitted LS cc SA5 on Prioritized Vehicle to Cloud Technical Solutions | Automotive Edge Computing Consortium (AECC) | replied to |  |  |
| S5-216014 | Resubmitted LS on Guidelines on Port Allocation for New 3GPP Interfaces | C4-214848 | postponed |  |  |
| S5-216015 | Resubmitted LS on slicing management aspects in relation to SEAL | S6-210709 | postponed |  |  |
| S5-216016 | Resubmitted LS on the mapping between service types and slice at application | R3-212904 | replied to |  |  |
| S5-216017 | Resubmitted Reply LS on Inclusive language for ANR | R2-2108869 | replied to |  |  |
| S5-216018 | Resubmitted Reply LS on Inclusive Language for ANR | R3-214289 | noted |  |  |
| S5-216019 | Resubmitted Reply LS on QoE configuration and reporting related issues | R3-214471 | replied to |  |  |
| S5-216020 | Resubmitted LS on RAN3 agreements for NR QoE | R3-214477 | postponed |  |  |
| S5-216021 | Resubmitted LS on the Beam measurement reports for the MDT measurements | R3-214519 | replied to |  |  |
| S5-216022 | Resubmitted LS on Network slice information from OAM | S2-2106634 | replied to |  |  |
| S5-216023 | Resubmitted LS on TS 28.404/TS 28.405 Clarification | S4-211234 | postponed |  |  |
| S5-216024 | Resubmitted LS Reply on QoE report handling at QoE pause | S4-211290 | replied to |  |  |
| S5-216025 | Resubmitted Reply LS on Inclusive language review | SP-211140 | noted |  |  |
| S5-216026 | LS ccSA5 on updating the readme.md file in 3GPP Forge | C4-215475 | replied to |  |  |
| S5-216027 | LSccSA5 on updating the readme.md file in 3GPP Forge | C3-215408 | noted |  |  |
| S5-216028 | LS reply on UPF reporting for redundant transmission on transport layer | S2-2107862 | noted |  |  |
| S5-216029 | Reply LS on UPF reporting for redundant transmission on transport layer | C4-215505 | noted |  |  |
| S5-216030 | Reply LS on PSCELL ID availability in SGW CDR | ETSI TC LI | noted |  |  |
| S5-216031 | LIAISON STATEMENT TO 3GPP TSG SA AND SA6 (forwarded to SA5) - APT REPORT ON EMERGING CRITICAL APPLICATIONS & USE CASES OF IMT FOR INDUSTRIAL, SOCIETAL AND ENTERPRISE USERS | APT Wireless Group | postponed |  |  |
| S5-216032 | LSout to 3GPP SA5 about MANO performance measurements accuracy to estimate VNF energy consumption | ETSI ISG NFV | replied to |  |  |
| S5-216033 | LS on introducing NR RedCap Indication | S2-2107853 | postponed |  |  |
| S5-216034 | LS Reply ccSA5 on the offline charging only indication | S2-2107863 | noted |  |  |
| S5-216035 | LS on MINT functionality for Disaster Roaming | S2-2108172 | postponed |  |  |
| S5-216036 | LS on network slice management service consumption | S6-212460 | postponed |  |  |
| S5-216037 | Add new common types for YANG | Ericsson Hungary Ltd | agreed |  |  |
| S5-216038 | pCR 28.538 Import attribute tAI to for Edge NRM | Nanjing Ericsson Panda Com Ltd, Samsung | approved |  |  |
| S5-216039 | Correction of YANG Solution set | Ericsson Hungary Ltd | agreed |  |  |
| S5-216040 | Rel-17 CR 28.313 Add LBO use cases, requirements, and procedure | Intel Corporation (UK) Ltd | revised |  | S5-216462 |
| S5-216041 | Discussion paper for async solutions to support lifecycle management | Intel Corporation (UK) Ltd | withdrawn |  |  |
| S5-216042 | Description of Information Elements of an Intent | Nokia Germany | revised | S5-215285 | S5-216447 |
| S5-216043 | Extend Attributes of the Intent IOC | Nokia Germany | revised | S5-215286 | S5-216448 |
| S5-216044 | Presentation of TR 28.813 for approval | Orange | approved |  |  |
| S5-216045 | pCR TR 28.813 Align conclusion titles | Orange | approved |  |  |
| S5-216046 | pCR TR 28.813 Change editor’s note to note in KI#3 | Orange | revised |  | S5-216565 |
| S5-216047 | pCR TR 28.813 Add conclusion to Key Issue #3 | Orange, China Telecom | approved |  |  |
| S5-216048 | New SID on new aspects of EE for 5G networks Phase 2 | Orange | revised |  | S5-216424 |
| S5-216049 | New WID on enhancements of EE for 5G phase 2 | Orange | revised |  | S5-216425 |
| S5-216050 | Rel-17 CR NRM for CHO | Ericsson France S.A.S | revised |  | S5-216465 |
| S5-216051 | Rel-17 CR NRM for CHO Stage 3 | Ericsson France S.A.S | revised |  | S5-216466 |
| S5-216052 | Rel-17 CR NRM for DAPS handover | Ericsson France S.A.S | revised |  | S5-216467 |
| S5-216053 | Rel-17 CR NRM for DAPS handover Stage 3 | Ericsson France S.A.S | revised |  | S5-216468 |
| S5-216054 | Rel-16 CR 28.310 Update energy saving solutions | Huawei | revised |  | S5-216431 |
| S5-216055 | Rel-17 CR 28.310 Update energy saving solutions | Huawei | revised |  | S5-216432 |
| S5-216056 | pCR 28.557 Update names for management modes of NPN | Huawei | revised |  | S5-216445 |
| S5-216057 | pCR 28.557 Solution for management of SNPN | Huawei | noted |  |  |
| S5-216058 | pCR 28.557 Solution for exposure of management capability of PNI-NPN | Huawei | noted |  |  |
| S5-216059 | pCR 28.557 Solution for collecting UE related data | Huawei | noted |  |  |
| S5-216060 | pCR 28.557 Update NPN management aspects | Huawei | revised |  | S5-216550 |
| S5-216061 | pCR 28.557 Remove editor notes | Huawei | approved |  |  |
| S5-216062 | pCR 28.557 Rapporteur proposal | Huawei | approved |  |  |
| S5-216063 | Rel-17 CR 28.541 Remove editor notes | Huawei | agreed |  |  |
| S5-216064 | pCR 28.813 Update solution of Key Issue 6 | Huawei | revised |  | S5-216566 |
| S5-216065 | pCR 28.813 Update impact on normative work of Key Issue 4 | Huawei | revised |  | S5-216612 |
| S5-216066 | Update 5GC NRM for 5G\_DDNMF reference point | CATT | agreed |  |  |
| S5-216067 | Revised SID New aspects of EE for 5G networks | Orange | agreed |  |  |
| S5-216068 | Revised WID Enhancements on EE for 5G networks | Orange | agreed |  |  |
| S5-216069 | Rel-17 CR 32.291 Correcting response code references | Ericsson LM | not pursued |  |  |
| S5-216070 | Rel-17 CR 32.255 Correcting unit count inactivity timer trigger | Ericsson LM | not pursued |  |  |
| S5-216071 | Rel-17 CR 32.255 Correcting SSC mode and triggers | Ericsson LM | agreed |  |  |
| S5-216072 | Rel-17 CR 32.255 Correcting home provided charging id at inter-PLMN V-SMF change | Ericsson LM | revised |  | S5-216534 |
| S5-216073 | Rel-17 CR 32.281 Addition of IMS converged charging announcement | Ericsson LM | revised |  | S5-216499 |
| S5-216074 | Rel-17 CR 32.291 Addition of IMS converged charging announcement | Ericsson LM | revised |  | S5-216502 |
| S5-216075 | Rel-17 CR 32.275 Correction of references for converged charging | Ericsson LM | revised |  | S5-216500 |
| S5-216076 | Rel-17 CR 32.291 Addition of MMTel converged charging information | Ericsson LM | revised |  | S5-216501 |
| S5-216077 | Rel-17 pCR 32.847 New key issue on types of maximum | Ericsson LM | revised |  | S5-216522 |
| S5-216078 | Rel-17 pCR 28.826 Use case trigger without usage | Ericsson LM | revised |  | S5-216523 |
| S5-216079 | Rel-17 pCR 28.826 Solution for 3a based on service identifier | Ericsson LM | noted |  |  |
| S5-216080 | Rel-17 pCR 28.826 Solution for 3a based on rating group map | Ericsson LM | noted |  |  |
| S5-216081 | Rel-17 pCR 28.826 Use case size of charging information | Ericsson LM | revised |  | S5-216525 |
| S5-216082 | Rel-17 pCR 28.827 Adding reference point architecture to clause 7.1.4 | Ericsson LM | revised |  | S5-216526 |
| S5-216083 | Rel-17 pCR 28.827 Adding SBI architecture to clause 7.2.4 | Ericsson LM | revised |  | S5-216527 |
| S5-216084 | Rel-17 pCR 28.827 Adding reference point architecture to clause 7.3.4 | Ericsson LM | revised |  | S5-216528 |
| S5-216085 | Rel-17 pCR 28.827 Adding reference point architecture to clause 7.4.4 | Ericsson LM | revised |  | S5-216529 |
| S5-216086 | Rel-17 pCR 28.827 New use case MVNO without CHF | Ericsson LM | revised |  | S5-216530 |
| S5-216087 | Rel-17 pCR 28.827 New potential solution MVNO without CHF | Ericsson LM | revised |  | S5-216531 |
| S5-216088 | Rel-17 pCR 28.827 Adding reference point architecture to clause 7.5.4 | Ericsson LM | revised |  | S5-216532 |
| S5-216089 | Adding Signalling Based Activation for UTRAN and LTE | Ericsson LM | revised |  | S5-216544 |
| S5-216090 | Rel-17 Input to Draft CR 28.623 Update YANG for MNS Registry | Ericsson LM,Huawei | approved | S5-215263 |  |
| S5-216091 | New Rel-18 WID on Enhanced intent driven management services for mobile network | Huawei, China Telecom, CATT, AsiaInfo, China Unicom, China Mobile | revised | S5-215086 | S5-216577 |
| S5-216092 | Update Inventory stage2 to support SBMA | Ericsson Hungary Ltd | not pursued |  |  |
| S5-216093 | Rel-17 CR 28.541 Stage 3 YANG updates for stage 2 CRs 214164, 585-8 | Cisco Systems Belgium | revised |  | S5-216620 |
| S5-216094 | Adding Management Based Activation and Temporary stop and restart during RAN overload in NR | Ericsson LM | revised |  | S5-216545 |
| S5-216095 | Rel-17 CR 28.532 Add definition of additionalText in notifyMOIAttributeValueChanges | Intel Corporation (UK) Ltd | not pursued |  |  |
| S5-216096 | pCR 28.314 PnC Concepts and Requirements - minor updates | Oy LM Ericsson AB | approved |  |  |
| S5-216097 | pCR 28.315 PnC Procedure flows - minor updates | Oy LM Ericsson AB | revised |  | S5-216558 |
| S5-216098 | Rel-17 draftCR 28.537 Add requirements for data management | Nokia, Nokia Shanghai Bell | noted | S5-215273 |  |
| S5-216099 | 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 | S5-215251 |  |
| S5-216100 | Rel-17 CR 32.421 Introduce missing interfaces of HSS | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-216101 | Rel-17 CR 32.422 Introduce missing interfaces of HSS | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-216102 | Rel-16 CR 32.421 Introduce missing interfaces of HSS | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-216103 | Rel-16 CR 32.422 Introduce missing interfaces of HSS | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-216104 | Rel-16 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record | Nokia, Nokia Shanghai Bell | revised |  | S5-216443 |
| S5-216105 | Rel-17 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record | Nokia, Nokia Shanghai Bell | revised |  | S5-216444 |
| S5-216106 | Rel-16 CR 28.623 Introduce missing IEs for HSS and UDM Trace Record | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-216107 | Rel-17 CR 28.313 Add information in the PCI configuration notification | Intel Corporation (UK) Ltd | not pursued |  |  |
| S5-216108 | Rel-17 CR 28.313 Add information in the C-SON notification | Intel Corporation (UK) Ltd | not pursued |  |  |
| S5-216109 | Rel-17 CR 28.552 Add EAS data volume measurements | Intel Corporation (UK) Ltd | revised |  | S5-216560 |
| S5-216110 | pCR 28.538 add MnS information for EAS performance assurance | Intel Corporation (UK) Ltd | revised |  | S5-216561 |
| S5-216111 | enhance SBMA to support access control | Nokia, Nokia Shanghai Bell, Ericsson | withdrawn |  |  |
| S5-216112 | enhance SBMA to support access control | Nokia, Nokia Shanghai Bell, Ericsson | agreed |  |  |
| S5-216113 | enhance request-response communication paradigm to support access control | Nokia, Nokia Shanghai Bell, Ericsson | agreed |  |  |
| S5-216114 | CR 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 3 | Samsung Electronics France SA | not pursued |  |  |
| S5-216115 | Rel-17 InputToDraftCR 28.537 Targeted management data collection | Samsung Electronics France SA | noted |  |  |
| S5-216116 | pCR 28.825 Add analysis and comparison of potential solutions | ZTE, China Unicom | revised |  | S5-216627 |
| S5-216117 | Rel-17 InputToDraftCR 28.622 ManagementDataSubscription | Samsung, Ericsson | noted |  |  |
| S5-216118 | pCR 28.825 Add recommendation and conclusion | ZTE, China Unicom | noted |  |  |
| S5-216119 | pCR 28.556 Add notificaition definition | China Mobile Com. Corporation | revised |  | S5-216455 |
| S5-216120 | pCR 28.556 Change stage 2 information attribute definition | China Mobile Com. Corporation | revised |  | S5-216456 |
| S5-216121 | pCR 28.556 Add stage 3 definition | China Mobile Com. Corporation | revised |  | S5-216458 |
| S5-216122 | Rel-16 CR TS 28.405 Correct the description of QoE reference and PLMN target | ZTE Corporation | agreed |  |  |
| S5-216123 | pCR 28.538 EESFunction definition and procedure | Samsung Electronics France SA | noted |  |  |
| S5-216124 | Presentation of Spec 28.556 to SA for Approval | China Mobile Com. Corporation | approved |  |  |
| S5-216125 | pCR 28.104 Replace alarm incident with alarm information | ZTE Corporation | revised |  | S5-216471 |
| S5-216126 | pCR 28.312 ServiceDeploymentExpectation Datatype definition | Samsung Electronics France SA | noted |  |  |
| S5-216127 | pCR 28.104 Software Management usecase and requirements | Samsung Electronics France SA | revised |  | S5-216472 |
| S5-216128 | pCR 28.104 Paging Optimization usecase and requirements | Samsung Electronics France SA | revised |  | S5-216473 |
| S5-216129 | pCR 28.104 HO Optimization usecase and requirements | Samsung Electronics France SA | revised |  | S5-216474 |
| S5-216130 | Rel-17 pCR 28.813 EE of URLLC slice based on reliability | Samsung Electronics France SA | noted |  |  |
| S5-216131 | New SID on Charging Aspects for Non-Public Networks | China Mobile Com. Corporation | revised |  | S5-216503 |
| S5-216132 | New SID Study on Computing Power Management and Orchestration | China Telecommunications | noted |  |  |
| S5-216133 | Rel-17 CR 28.552 Add enhanced MIMO PRB Usage for cell | China Unicom | revised |  | S5-216546 |
| S5-216134 | Discussion on enhanced MIMO PRB Usage for cell | China Unicom | revised |  | S5-216547 |
| S5-216135 | Add new requirements for configuration of beam level measurement | Ericsson Japan K-K | agreed |  |  |
| S5-216136 | Add beam level configuration parameter in NR | Ericsson Japan K-K | revised |  | S5-216537 |
| S5-216137 | Reply to: LS on the Beam measurement reports for the MDT measurements | Ericsson | revised |  | S5-216628 |
| S5-216138 | New SID on new network resource usage type for charging in the 5G System (5GS) | Huawei | revised |  | S5-216533 |
| S5-216139 | New Work Item on charging enhancement for 5GS CIoT | Huawei | revised |  | S5-216518 |
| S5-216140 | Rel-17 pCR 28.816 Clean up | Huawei | revised |  | S5-216504 |
| S5-216141 | Rel-17 pCR 28.822 Correction on CEF based architecuture in solution 1.2 | Huawei | noted |  |  |
| S5-216142 | Rel-17 pCR 28.822 Correction on the editorial issues | Huawei | approved |  |  |
| S5-216143 | Rel-17 pCR 28.822 Correction on the Reference | Huawei | revised |  | S5-216517 |
| S5-216144 | Rel-17 pCR 28.822 Remove the editor‘s note for topic 4 | Huawei | noted |  |  |
| S5-216145 | Rel-17 CR 32.255 Addition of the 5G LAN service charging in Annex | Huawei | not pursued |  |  |
| S5-216146 | Rel-17 CR 32.255 Addition of the 5G LAN service charging in charging principle | Huawei | revised |  | S5-216497 |
| S5-216147 | Rel-17 CR 32.255 Addition of the 5G LAN service charging requirements | Huawei | revised |  | S5-216493 |
| S5-216148 | Discussion paper on Charging Identifier Uniqueness Mechanism | Huawei | noted |  |  |
| S5-216149 | Rel-16 CR 32.290 Addition of the Threshold based re-authorization triggers | Huawei | revised |  | S5-216571 |
| S5-216150 | Rel-17 CR 32.290 Addition of the Threshold based re-authorization triggers | Huawei | revised |  | S5-216572 |
| S5-216151 | Rel-16 CR 32.290 Clarification on the immediate Report | Huawei | not pursued |  |  |
| S5-216152 | Rel-17 CR 32.290 Clarification on the immediate Report | Huawei | revised |  | S5-216573 |
| S5-216153 | Rel-16 CR 32.290 Clarify the NF consumers | Huawei | agreed |  |  |
| S5-216154 | Rel-17 CR 32.290 Clarify the NF consumers | Huawei | agreed |  |  |
| S5-216155 | Rel-16 CR 32.255 Correction on the User Location Time Description | Huawei | revised |  | S5-216567 |
| S5-216156 | Rel-17 CR 32.255 Correction on the User Location Time Description | Huawei | revised |  | S5-216568 |
| S5-216157 | Rel-17 pCR 28.827 Correction on the potential charging architectures | Huawei | revised |  | S5-216521 |
| S5-216158 | Rel-16 CR 32.291 Alignment of the charging data request and response | Huawei | revised | S5-215582 | S5-216569 |
| S5-216159 | Rel-17 CR 32.291 Alignment of the charging data request and response | Huawei | revised | S5-215583 | S5-216570 |
| S5-216160 | Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service | Huawei | revised | S5-215467 | S5-216574 |
| S5-216161 | Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service | Huawei | revised | S5-215468 | S5-216575 |
| S5-216162 | Rel-17 pCR 28.815 Correction on CEF based architecuture in solution 7.4.4.9 | Huawei | revised |  | S5-216512 |
| S5-216163 | Rel-17 pCR 28.815 Evaluation and Conclusion for Solution 7.1.4.3 | Huawei | merged |  | S5-216514 |
| S5-216164 | Rel-17 CR TS 28.659 Provide YAML solution set for EUTRAN NRM | Huawei | not pursued | S5-215132 |  |
| S5-216165 | Rel-17 CR TS 28.663 Provide YAML solution set for RAN NRM | Huawei | not pursued | S5-215133 |  |
| S5-216166 | Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment | Huawei | withdrawn |  |  |
| S5-216167 | New SID Intent driven management for 5GC | Huawei | merged |  | S5-216577 |
| S5-216168 | Rel-17 CR 28.541 Add N70 N71 stage 3 | Huawei | not pursued |  |  |
| S5-216169 | Rel-17 CR 28.531 Update NSI and NSSI allocation precedures | Huawei | not pursued |  |  |
| S5-216170 | Rel-17 CR 28.541 Update ServiceProfile and SliceProfile | Huawei | not pursued |  |  |
| S5-216171 | pCR 28.811 Editorial cleanup | Huawei | approved |  |  |
| S5-216172 | Presentation sheet for approval of TR 28.811 | Huawei | revised |  | S5-216615 |
| S5-216173 | pCR 28.556 update Policy activation and deactivation procedure | Huawei | revised |  | S5-216457 |
| S5-216174 | pCR 28.556 update PolicyContent definition | Huawei | revised |  | S5-216459 |
| S5-216175 | pCR 28.104 Alignment of terminology | Huawei | revised |  | S5-216475 |
| S5-216176 | pCR 28.538 add ECS termination procedure | Huawei | approved |  |  |
| S5-216177 | pCR 28.538 add Provisioning MnS for Edge Computing | Huawei | revised |  | S5-216562 |
| S5-216178 | pCR 28.538 add transport view for EAS | Huawei | revised |  | S5-216563 |
| S5-216179 | pCR 28.538 updating EAS termination procedure | Huawei | approved |  |  |
| S5-216180 | pCR 28.819 Describe ETSI NFV testing framework | Huawei | revised |  | S5-216626 |
| S5-216181 | pCR 28.824 Concept definition for Exposed Management Service | Huawei | revised |  | S5-216582 |
| S5-216182 | New SID on alignment with GSMA OPG and ETSI MEC for Edge computing management | Huawei, Samsung | noted |  |  |
| S5-216183 | Rel-17 CR 28.622 Add support for MnS Discovery | Huawei | not pursued | S5-215532 |  |
| S5-216184 | Rel-17 CR 28.623 Add support for MnS Discovery | Huawei | not pursued | S5-215533 |  |
| S5-216185 | Rel-17 PCR TS 28.104 add coverage analysis requirement | Huawei | revised |  | S5-216476 |
| S5-216186 | Rel-17 PCR TS 28.104 Add alarm incident analysis use case and requirement | Huawei | withdrawn |  |  |
| S5-216187 | Rel-17 PCR TS 28.104 Add alarm incident analysis solution | Huawei | noted |  |  |
| S5-216188 | Rel-17 pCR 28.104 Add KPI anomaly analysis use case and requirement | Huawei | noted |  |  |
| S5-216189 | Rel-17 pCR 28.104 Add KPI anomaly analysis solution | Huawei | noted |  |  |
| S5-216190 | Rel-17 PCR TS 28.104 add MDA assisted Energy Saving use case and requirement | Huawei | revised |  | S5-216477 |
| S5-216191 | Rel-17 PCR TS 28.104 add MDA assisted Energy Saving solution | Huawei | noted |  |  |
| S5-216192 | Rel-17 PCR TS 28.104 add mobility management solution | Huawei | noted |  |  |
| S5-216193 | Rel-17 PCR TS 28.104 add MDA analysis request and report Workflow | Huawei | noted |  |  |
| S5-216194 | Rel-17 pCR TS 28.104 Add MDA analysis report reporting related service component | Huawei | revised |  | S5-216622 |
| S5-216195 | Rel-17 CR 28.313 Add C-SON CCO control information | Huawei | revised |  | S5-216463 |
| S5-216196 | Rel-17 CR 28.541 Add C-SON CCO NRM model | Huawei | not pursued |  |  |
| S5-216197 | Reply to: Reply LS on Inclusive language for ANR | Huawei | approved |  |  |
| S5-216198 | Rel-17 CR TS 28.541 Update inclusive language modification for TS 28.541 | Huawei | revised |  | S5-216437 |
| S5-216199 | pCR 28.825 add reference and abbrevation | China Unicom | approved |  |  |
| S5-216200 | pCR 28.825 add concepts and overview | China Unicom | approved |  |  |
| S5-216201 | pCR 28.825 rapporteur's proposal | China Unicom | approved |  |  |
| S5-216202 | pCR 28.825 add conclusions and recommendations | China Unicom | approved |  |  |
| S5-216203 | pCR 28.825 cleanup | China Unicom | approved |  |  |
| S5-216204 | Presentation sheet for approval of TR 28.825 | China Unicom | approved |  |  |
| S5-216205 | Rel-17 CR TS 28.541 Add feasibility check NRM fragment | Huawei,China Unicom, Deutsche Telekom,China Mobile | not pursued | S5-215087 |  |
| S5-216206 | 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 | S5-215088 |  |
| S5-216207 | Rel-16 CR TS 28.541 Correct the wrong reference for TS 32.160 | Huawei | agreed |  |  |
| S5-216208 | Rel-17 CR TS 28.541 Correct the wrong reference for TS 32.160 | Huawei | agreed |  |  |
| S5-216209 | Rel-15 CR TS 28.622 Update the scope to be applicable for SBMA | Huawei | agreed |  |  |
| S5-216210 | Rel-16 CR TS 28.622 Update the scope to be applicable for SBMA | Huawei | agreed |  |  |
| S5-216211 | Rel-15 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA | Huawei | revised |  | S5-216580 |
| S5-216212 | Rel-16 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA | Huawei | revised |  | S5-216581 |
| S5-216213 | Rel-15 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA | Huawei | revised |  | S5-216618 |
| S5-216214 | Rel-16 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA | Huawei | revised |  | S5-216619 |
| S5-216215 | Rel-16 CR TS 28.533 Fix editorial issues | Huawei | agreed |  |  |
| S5-216216 | Rel-17 CR TS 28.533 Fix editorial issue | Huawei | agreed |  |  |
| S5-216217 | pCR TS 28.100 update Annex A to align with clause 7.1 | Huawei,China Mobile | approved |  |  |
| S5-216218 | pCR TS 28.312 Update the concept of intent in clause 4.1.3 | Huawei | revised |  | S5-216449 |
| S5-216219 | pCR TS 28.312 Update the use case description to align with intent definition | Huawei | revised |  | S5-216450 |
| S5-216220 | pCR TS 28.312 Add concept of intent translation | Huawei | revised |  | S5-216451 |
| S5-216221 | pCR TS 28.312 Update intent life cycle management in Annex B.1 | Huawei | revised |  | S5-216452 |
| S5-216222 | pCR TS 28.312 pCR TS 28.312 Add generic Intent management requirements | Huawei | revised |  | S5-216453 |
| S5-216223 | pCR TS 28.312 Update intent information model | Huawei | merged |  | S5-216448 |
| S5-216224 | pCR TS 28.312 Update RadioNetworkExpectation | Huawei | revised |  | S5-216454 |
| S5-216225 | Rel-17 CR TS 32.130 Update RAN sharing scenarios to cover 5G RAN sharing | Huawei,China Unicom | agreed |  |  |
| S5-216226 | Rel-17 CR TS 32.130 Update requirments for NG-RAN MOCN network sharing scenarios | Huawei,China Unicom | agreed |  |  |
| S5-216227 | Rel-17 CR TS 28.541 Add YAML solution set for NG-RAN MOCN network sharing scenarios(S5-215534) | Huawei | agreed |  |  |
| S5-216228 | Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment | Huawei | not pursued | S5-215089 |  |
| S5-216229 | New SID on deterministic communication service assurance | Huawei, China Mobile, CATT, China Unicom | revised |  | S5-216426 |
| S5-216230 | Rel-17 Input to draftCR S5-215550 TS 28.536 Updates to assurance report for eCOSLA | Huawei Technologies Japan K.K. | revised |  | S5-216460 |
| S5-216231 | Rel-17 Input to draftCR S5-215550 TS 28.536 Add stage 3 SS definitions to assurance report for eCOSLA | Huawei Technologies Japan K.K. | revised |  | S5-216461 |
| S5-216232 | Collection of useful endorsed document and external communication documents | SA5 Vice chair (Huawei) | noted | S5-215154 |  |
| S5-216233 | TR 28.925 Add key issue on modelling of MnF | Huawei Technologies (Korea) | revised | S5-215104 | S5-216594 |
| S5-216234 | pCR TR 28.925 Add conclusion and recommendation for Issue#6 | Huawei Technologies (Korea) | noted |  |  |
| S5-216235 | pCR TR 28.925 Add potential solution and conclusion for Issue#5 | Huawei Technologies (Korea) | approved |  |  |
| S5-216236 | pCR 28.104 Add E2E latency analysis use case and requirements | Huawei | revised |  | S5-216480 |
| S5-216237 | pCR 28.104 Add E2E latency analysis solution | Huawei | noted |  |  |
| S5-216238 | pCR 28.104 Add service experience analysis solution | Huawei | noted |  |  |
| S5-216239 | pCR 28.104 Add network slice throughput analysis solution | Huawei | noted |  |  |
| S5-216240 | Rel-17 CR TS 32.103 Update 5G specifications information | Huawei Technologies (Korea) | noted |  |  |
| S5-216241 | pCR 28.104 Add network slice instance load analysis use case and requirements | Huawei | revised |  | S5-216552 |
| S5-216242 | pCR 28.104 Add network slice instance load analysis solution | Huawei | noted |  |  |
| S5-216243 | New SID on PaaS for Virtualized Network Functions | China Mobile Com. Corporation | revised |  | S5-216579 |
| S5-216244 | Rel-16 Fix stage3 definition for plmnId | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-216245 | Fix stage3 definition for plmnId | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-216246 | Rel-17 network slice isolation | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-216247 | network slice protection on N6 interface | Nokia, Nokia Shanghai Bell | revised |  | S5-216438 |
| S5-216248 | network slice specific authentication | Nokia, Nokia Shanghai Bell | revised |  | S5-216439 |
| S5-216249 | pCR 28.819 Supplement for notification data | China Mobile Com. Corporation, Lenovo, Motorola Mobility | approved |  |  |
| S5-216250 | Forge working procedure change in SA5 Working Procedures | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-216251 | pCR 28.819 Solution of providing vendor feedback | China Mobile Com. Corporation, Lenovo, Motorola Mobility | revised |  | S5-216589 |
| S5-216252 | Discussion Paper on Asynchronous design | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-216253 | pCR 28.819 Solution of environment data collection | China Mobile Com. Corporation, Lenovo, Motorola Mobility | revised |  | S5-216590 |
| S5-216254 | pCR 28.819 Solution of test orchestration | China Mobile Com. Corporation, Lenovo, Motorola Mobility | noted |  |  |
| S5-216255 | pCR 28.819 Use case of test data analysis | China Mobile Com. Corporation, Lenovo, Motorola Mobility | revised |  | S5-216592 |
| S5-216256 | pCR TS 28.100 Update scope | China Mobile, Huawei | approved |  |  |
| S5-216257 | pCR TS 28.100 Update workflow, tasks and generic autonomous network level description | China Mobile, Huawei | approved |  |  |
| S5-216258 | pCR TS 28.100 Clean up | China Mobile, Huawei | approved |  |  |
| S5-216259 | Presentation of Spec to TSG TS 28.100 Version 2.0.0 | China Mobile | approved |  |  |
| S5-216260 | pCR 28.104 add alarm related Incident analysis | China Mobile Com. Corporation | noted |  |  |
| S5-216261 | pCR 28.312 update the intent definition | China Mobile Com. Corporation | noted |  |  |
| S5-216262 | Discussion on digital twin for network management | China Mobile | noted |  |  |
| S5-216263 | New SID on Digital twin for network management | China Mobile | noted |  |  |
| S5-216264 | New SID on Federated machine learning for mobile network management | China Mobile | noted |  |  |
| S5-216265 | pCR 28.104 Add MDA assisted energy saving | China Mobile Com. Corporation | merged |  | S5-216477 |
| S5-216266 | pCR 28.312 update the terms and introduction of use cases | China Mobile Com. Corporation | noted |  |  |
| S5-216267 | Reply LS on network slice management service consumption | China Mobile | noted |  |  |
| S5-216268 | pCR 28.104 add inter-gNB beam selection optimization | China Mobile Com. Corporation | revised |  | S5-216470 |
| S5-216269 | Modification of network slice related requirements | China Mobile | revised |  | S5-216446 |
| S5-216270 | Rel-17 Correction of attribute in ServiceProfile and CNSliceSubnetProfile | China Mobile | not pursued |  |  |
| S5-216271 | Rel-17 Enhance NRM of UDM function | China Mobile | revised |  | S5-216538 |
| S5-216272 | TS28.541 CR Rel-17 Stage3 Update for UPF and PCF | China Mobile | revised |  | S5-216539 |
| S5-216273 | Add judge requirements and intent database query requirements for intent driven management | China Mobile | noted |  |  |
| S5-216274 | pCR TS28.104 add MDA related data and usecase requirements | China Mobile | revised |  | S5-216481 |
| S5-216275 | pCR draft TS28.104 add slice coverage analysis | China Mobile | revised |  | S5-216553 |
| S5-216276 | CR Rel-17 TS 28.530 Add description for SBMA supporting manangement of 5G SA and NSA scenarios | Huawei Technologies (Korea) | revised |  | S5-216564 |
| S5-216277 | SA5 presentation for Linux Networking Foundation 9 June 2021 | 3GPP SA5 Chair, 3GPP SA5 Vice-Chair(Huawei) | noted |  |  |
| S5-216278 | Presentation slides for 3GPP\_SA5\_Webinar\_Part1\_SA5\_OAM (ETSI3GPP Webinar 28 October 2021) | 3GPP SA5 Chair, 3GPP SA5 Vice-Chair(Huawei) | noted |  |  |
| S5-216279 | SA5 presentation for GSMA Mobile World Congress Barcelona 29 June 2021 | 3GPP SA5 Chair, 3GPP SA5 Vice-Chair(Huawei) | noted |  |  |
| S5-216280 | SA5 presentation for the TMF Autonomous Networks Industry Summit China 23 Sept. 2021 | 3GPP SA5 Chair, 3GPP SA5 Vice-Chair(Huawei) | noted |  |  |
| S5-216281 | SID revised was SP-210136 SID on enhancement of service based management architecture | Huawei Technologies (Korea) | revised |  | S5-216595 |
| S5-216282 | Discussion Paper on exposure scenario | Alibaba Group, AsiaInfo | revised |  | S5-216584 |
| S5-216283 | Add Use Case for the exposure without going through BSS | Alibaba Group, AsiaInfo | revised |  | S5-216616 |
| S5-216284 | Exposure of network slice as a service | Alibaba Group, AsiaInfo | revised |  | S5-216617 |
| S5-216285 | Consolidate potential requirements of use cases for eMnS discovery service | Alibaba Group | revised |  | S5-216624 |
| S5-216286 | Presentation slides for 3GPP\_SA5\_Webinar\_Part2\_SA5\_CH (ETSI3GPP Webinar 2 November 2021) | 3GPP SA5 Vice Chair/CH Chair (MATRIXX Software), 3GPP SA5 CH Vice Chair(Huawei) | noted |  |  |
| S5-216287 | Rel-16 CR 28.622 Add missing definitions of common data types | Nokia, Nokia Shanghai Bell | not pursued | S5-215351 |  |
| S5-216288 | Rel-17 CR 28.160 Amend stage 2 NRM specification template | Nokia, Nokia Shanghai Bell | not pursued | S5-215356 |  |
| S5-216289 | Rel-17 DP Solutions for REQ-DMS-3 and REQ-DMS-4 of MnS discovery | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-216290 | Rel-17 Input to DraftCR 28.622 Amend file retrieval NRM fragment | Nokia, Nokia Shanghai Bell | revised | S5-215360 | S5-216559 |
| S5-216291 | Rel-17 Input to DraftCR 28.622 Add file download control NRM fragment | Nokia, Nokia Shanghai Bell | noted | S5-215361 |  |
| S5-216292 | Rel-17 Input to DraftCR 28.537 Add requirements for managing external management data | Nokia, Nokia Shanghai Bell | noted | S5-215362 |  |
| S5-216293 | Rel-17 Input to DraftCR 28.537 Add requirements for context data | Nokia, Nokia Shanghai ell | noted | S5-215363 |  |
| S5-216294 | Rel-17 Input to DraftCR 28.622 Add solution for reporting and storing data | Nokia, Nokia Shanghai Bell | noted | S5-215365 |  |
| S5-216295 | Introduction of 5G DDNMF in charging architecture for 5GS | CATT | withdrawn |  |  |
| S5-216296 | Introduction of 5G ProSe charging and high-level architecture | CATT | withdrawn |  |  |
| S5-216297 | Add converged charging architecture for ProSe | CATT | withdrawn |  |  |
| S5-216298 | Presentation of TR 32.846 for information | CATT | withdrawn |  |  |
| S5-216299 | Clarifications into existing requirements | NEC Europe Ltd | agreed |  |  |
| S5-216300 | pCR draft TS28.104, add use case and requirements for MDA historical data | NEC Europe Ltd | noted |  |  |
| S5-216301 | Discussion on Intent Model | AsiaInfo Technologies Inc | merged |  | S5-216447 |
| S5-216302 | Introduction of 5G DDNMF in charging architecture for 5GS | CATT | revised |  | S5-216492 |
| S5-216303 | Introduction of 5G ProSe charging and high-level architecture | CATT | revised |  | S5-216505 |
| S5-216304 | Add converged charging architecture for ProSe | CATT | revised |  | S5-216536 |
| S5-216305 | Presentation of TR 32.846 for approval | CATT | revised |  | S5-216576 |
| S5-216306 | New R18 SID on Conflict management and coordination | Lenovo, Motorola Mobility | noted |  |  |
| S5-216307 | Rel-16 CR 28.552 Correct definition of Distribution of UL UE throughput in gNB | Ericsson LM | agreed |  |  |
| S5-216308 | pCR TR 28.824 add procedures related to product onboarding | AsiaInfo Technologies Inc | revised |  | S5-216585 |
| S5-216309 | Discussion Paper on new R18 study for conflict management | Lenovo, Motorola Mobility | noted |  |  |
| S5-216310 | Rel-17 CR 28.552 Correct definition of Distribution of UL UE throughput in gNB | Ericsson LM | agreed |  |  |
| S5-216311 | Enhance Management Service to Support Access Control Procedures | Ericsson LM | endorsed |  |  |
| S5-216312 | Rel-17 CR 28.540 Add requirements for NRM access control | Ericsson LM | agreed |  |  |
| S5-216313 | New Rel-18 SID 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, AsiaInfo | revised |  | S5-216427 |
| S5-216314 | Rel-17 CR 28.541 Introduce missing attribute nrFreqRelationRef in table of attribute properties (stage2) | Nokia, Nokia Shanghai Bell | revised |  | S5-216540 |
| S5-216315 | pCR 32.257 Add High-level 5G System architecture | Intel Sweden AB | revised |  | S5-216507 |
| S5-216316 | pCR 32.257 Add architecture for enabling edge applications | Intel Sweden AB | revised |  | S5-216494 |
| S5-216317 | pCR 32.257 Add Edge Computing domain converged charging architecture | Intel Sweden AB | revised |  | S5-216495 |
| S5-216318 | pCR 32.257 Add charging principles for 5GS usage charging for Edge Computing | Intel Sweden AB | revised |  | S5-216496 |
| S5-216319 | Conditional Handover services and procedures | Ericsson France S.A.S | revised |  | S5-216613 |
| S5-216320 | DAPS handover services and procedures | Ericsson France S.A.S | revised |  | S5-216614 |
| S5-216321 | DAPS handover Performance Measurements | Ericsson France S.A.S | agreed |  |  |
| S5-216322 | Clause number correction | Ericsson France S.A.S | revised |  | S5-216464 |
| S5-216323 | Correct handover trigger | Ericsson France S.A.S | not pursued |  |  |
| S5-216324 | Correct handover trigger | Ericsson France S.A.S | revised |  | S5-216433 |
| S5-216325 | Correct maximumDeviationHoTrigger | Ericsson France S.A.S | not pursued |  |  |
| S5-216326 | Correct maximumDeviationHoTrigger | Ericsson France S.A.S | not pursued |  |  |
| S5-216327 | Correct wording and header | Ericsson France S.A.S | endorsed |  |  |
| S5-216328 | pCR 32.257 Add charging scenarios for 5GS usage charging for Edge Computing | Intel Sweden AB | revised |  | S5-216510 |
| S5-216329 | pCR 28.815 Update High-level 5G System architecture | Intel Sweden AB | revised |  | S5-216509 |
| S5-216330 | pCR 28.815 Update the possible solutions for aggregated charging | Intel Sweden AB | revised |  | S5-216513 |
| S5-216331 | Rel-16 CR 32.422 Update to include Trace Failure admin messages | Ericsson LM | revised |  | S5-216441 |
| S5-216332 | Rel-17 CR 28.541 Correct attribute in IOC NRCellRelation (stage 3) | Nokia, Nokia Shanghai Bell | revised |  | S5-216541 |
| S5-216333 | Rel-17 CR 32.422 Update to include trace failure admin messages | Ericsson LM | revised |  | S5-216442 |
| S5-216334 | pCR 28.815 Add evaluation of edge application access charging via EAS | Intel Sweden AB | revised |  | S5-216514 |
| S5-216335 | pCR 28.104 Add use case and requirement for MDA assisted energy saving analysis | China Telecom, AsiaInfo | merged |  | S5-216477 |
| S5-216336 | Report from last SA5 meeting | MCC | approved | S5-216001 |  |
| S5-216337 | Rel-16 CR 32.422 Correction of IP Address of Trace Collection Entity | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-216338 | pCR 28.104 Add MDA capability for MDA assisted energy saving analysis | China Telecom, AsiaInfo | noted |  |  |
| S5-216339 | Rel-17 CR 32.422 Correction of IP Address of Trace Collection Entity | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-216340 | Presentation of TR 28.815 for approval | Intel Sweden AB | revised |  | S5-216516 |
| S5-216341 | Rel-17 CR TS 28.554 Add definition of 5GC energy efficiency (EE) KPI | China Telecom | revised |  | S5-216469 |
| S5-216342 | pCR 28.104 Add requirements for ML model training | Intel | revised |  | S5-216554 |
| S5-216343 | Rel-17 CR TS 28.622 Add condition information for threshold monitoring | Huawei | not pursued | S5-215122 |  |
| S5-216344 | pCR 28.104 Add MnS producer initiated ML model training | Intel | revised |  | S5-216555 |
| S5-216345 | pCR Add stage 2 structure for TS 28.104 | Intel, NEC, China Telecom, China Mobile, HUAWEI, CATT, AsiaInfo | revised |  | S5-216556 |
| S5-216346 | DP on requesting a new TS number for AI&ML management | Intel, NEC | revised |  | S5-216557 |
| S5-216347 | Rel-16 CR 28.622 Clarify behavior of NtfSubscriptionControl | Nokia, Nokia Shanghai Bell | revised |  | S5-216440 |
| S5-216348 | Revised WID Enhancements of Management Data Analytics Service | Intel, NEC | agreed |  |  |
| S5-216349 | New WID on network slicing provisioning rules | Ericsson Inc. | revised |  | S5-216549 |
| S5-216350 | pCR 28.104 Add MDA capability for coverage problem analysis | Intel, NEC, HUAWEI | approved |  |  |
| S5-216351 | New SID on intent-driven network slicing management | Ericsson Inc. | revised |  | S5-216578 |
| S5-216352 | Rel-16 CR 28.532 Correct spelling of notifyAlarmListRebuilt | Nokia, Nokia Shanghai Bell | revised |  | S5-216434 |
| S5-216353 | pCR 28.104 Add common information elements of analytics outputs | Intel, NEC, China Telecom, HUAWEI | noted |  |  |
| S5-216354 | CR Rel-17 28.552 Add measurements related to subscriber data management for UDM | Intel | agreed |  |  |
| S5-216355 | CR Rel-17 28.552 Add measurements related to parameter provision for UDM | Intel | agreed |  |  |
| S5-216356 | Motivation for a Feasibility Study on Network and Service Operations for Energy Verticals | Samsung, EUTC | noted |  |  |
| S5-216357 | LS reply to RAN3 on model deployment and update from OAM to NG-RAN | Intel | revised |  | S5-216423 |
| S5-216358 | pCR 28.316 PnC Data formats - DHCP Request | Oy LM Ericsson AB | approved |  |  |
| S5-216359 | New SID on Network and Service Operations for Energy Verticals | EUTC, Samsung, BMWi, Vodafone, Orange, Novamint | revised |  | S5-216428 |
| S5-216360 | pCR TS 28.312 Add attributes of the IntentReport | AsiaInfo Technologies Inc | merged |  | S5-216448 |
| S5-216361 | Rel-17 CR 28.541 Introduce bidirectional association between NRCellDU and Beam | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-216362 | Add PM on Handover failures per beam related to MRO for intra-system mobility | Nokia, Nokia Shanghai Bell | revised |  | S5-216548 |
| S5-216363 | Add beam specific handover counters to MRO | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-216364 | Enhance 5G Core managed NF Profile NRM fragment (Stage 2) | Nokia Germany, Orange, DT, Telefonica | revised |  | S5-216542 |
| S5-216365 | 5GC NRM enhancements for ManagedNFProfile (Stage 3) | Nokia Germany | revised |  | S5-216543 |
| S5-216366 | pCR 28.819 Rapp Cleanup | Lenovo, Motorola Mobility, CMCC | approved |  |  |
| S5-216367 | pCR - 28.819 Add Proposed overall process | Lenovo, Motorola Mobility, CMCC | noted |  |  |
| S5-216368 | Add obtaining MDA output | Nokia Germany | revised |  | S5-216478 |
| S5-216369 | Discussion on Requesting Management Data for a Geographical Area | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-216370 | Management Data Collection Job in NRM | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-216371 | New SID Study on measurement data collection to support RAN intelligence | Intel Corporation (UK) Ltd, Verizon, AT&T, CMCC | noted |  |  |
| S5-216372 | Discussion paper for asynchronous solutions to support LCM | Intel Corporation (UK) Ltd | noted |  |  |
| S5-216373 | Add MDA Request and Control | Nokia Germany | withdrawn |  |  |
| S5-216374 | Discussion on structuring Rel-18 work in SA5 | Orange, Deutsche Telekom | revised |  | S5-216551 |
| S5-216375 | New SID on evaluation of autonomous network levels | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Lenovo, Motorola Mobility, Intel | revised |  | S5-216429 |
| S5-216376 | New SID on enhancement of autonomous network levels | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Lenovo, Motorola Mobility, Intel | revised | S5-215165 | S5-216430 |
| S5-216377 | Add MDA Request and Control | Nokia Germany | revised |  | S5-216479 |
| S5-216378 | pCR 28.819 Add initial recomendations | Lenovo, Motorola Mobilty, CMCC | revised |  | S5-216593 |
| S5-216379 | pCR 28.819 Add release model details | Lenovo, Motorola Mobility, CMCC | approved |  |  |
| S5-216380 | pCR 28.819 Automated operational testing | Lenovo, Motorola Mobility, CMCC | revised |  | S5-216588 |
| S5-216381 | Rel-17 CR 28.623 Stage 3 YANG correction of \_3gpp-common-trace | Cisco Systems Belgium | not pursued |  |  |
| S5-216382 | Add text to procedures related to management capability exposure | Ericsson LM, Deutsche Telekom | revised |  | S5-216625 |
| S5-216383 | Clarifications on clause 4 overview | Ericsson LM, Deutsche Telekom | revised |  | S5-216583 |
| S5-216384 | Clarifications on clause 5 use cases | Ericsson LM, Deutsche Telekom | revised |  | S5-216586 |
| S5-216385 | Clarifications on clause 7 solutions | Ericsson LM, Deutsche Telekom | approved |  |  |
| S5-216386 | pCR 28.819 Providing detailed information for testing an NF | Lenovo, Motorola Mobility, CMCC | revised |  | S5-216587 |
| S5-216387 | CR Rel-17 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 2 | Ericsson LM, Deutsche Telekom | not pursued | S5-215498 |  |
| S5-216388 | Discussion paper on on generalized approach to asynchronous network slicing procedures | Ericsson LM | noted |  |  |
| S5-216389 | Correct spelling of Attribute properties | Ericsson India Private Limited | agreed |  |  |
| S5-216390 | Add network slice job class to NRM | Ericsson LM | not pursued |  |  |
| S5-216391 | DP tenant representation in 3GPP management system | Ericsson, Deutsche Telekom | noted | S5-213134 |  |
| S5-216392 | YANG Solution Set for Generic Radio Access Network NRM | Ericsson Hungary Ltd | not pursued | S5-215194 |  |
| S5-216393 | Clarify business requirement and correct punctuation | Ericsson LM, Deutsche Telekom | agreed |  |  |
| S5-216394 | Clarify communication service in requirement CSA-CON-06 | Ericsson LM, Deutsche Telekom | revised |  | S5-216435 |
| S5-216395 | Clarify business requirement and correct punctuation | Ericsson LM, Deutsche Telekom | agreed |  |  |
| S5-216396 | Clarify communication service in requirement CSA-CON-06 | Ericsson LM, Deutsche Telekom | revised |  | S5-216436 |
| S5-216397 | Discussion paper on composite management service for Cosla | Ericsson LM | noted |  |  |
| S5-216398 | YANG Solution Set for Inventory Management | Ericsson Hungary Ltd | not pursued | S5-215110 |  |
| S5-216399 | Input to Draft CR 28.622 Define solution for data discovery | Ericsson Telecomunicazioni SpA | noted |  |  |
| S5-216400 | Update intent information model | Ericsson Telecomunicazioni SpA | noted |  |  |
| S5-216401 | DP on YANG solution set for Inventory | Ericsson Hungary Ltd | endorsed |  |  |
| S5-216402 | Correct spelling of Attribute properties | Ericsson India Private Limited | agreed |  |  |
| S5-216403 | pCR 28.824 Exposure to SA6 applications or mddleware | Lenovo, Motorola Mobility | revised |  | S5-216623 |
| S5-216404 | Solution for National Roaming Scenario | Ericsson India Private Limited | approved |  |  |
| S5-216405 | Update WI for isolation use cases | Ericsson India Private Limited | noted |  |  |
| S5-216406 | Draft CR Rel 17 Add support for pause point | Lenovo, Motorola Mobility | noted |  |  |
| S5-216407 | IMS parts in 28.705 to YANG-YAML | Ericsson Hungary Ltd | noted |  |  |
| S5-216408 | Rel-16 CR 32.240 Correction on converged charging architecture | MATRIXX Software | not pursued |  |  |
| S5-216409 | Rel-17 CR 32.240 Correction on converged charging architecture | MATRIXX Software | not pursued |  |  |
| S5-216410 | Rel-16 CR 32.240 Correction on charging architecture for management domain | MATRIXX Software, Nokia | not pursued |  |  |
| S5-216411 | Rel-17 CR 32.240 Correction on charging architecture for management domain | MATRIXX Software, Nokia | not pursued |  |  |
| S5-216412 | Reply to: LS cc SA5 on Prioritized Vehicle to Cloud Technical Solutions | Huawei | approved | - | - |
| S5-216413 | Reply to: LS ccSA5 on updating the readme.md file in 3GPP Forge | Huawei | approved | - | - |
| S5-216414 | Reply to: LS on the mapping between service types and slice at application | Ericsson | approved | - | - |
| S5-216415 | Reply to: Reply LS on QoE configuration and reporting related issues | Ericsson | approved | - | - |
| S5-216416 | Reply to: LS on Network slice information from OAM | Ericsson | approved | - | - |
| S5-216417 | Reply to: LS Reply on QoE report handling at QoE pause | Ericsson | approved | - | - |
| S5-216418 | Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison:  22nd November 2021 Meeting Invitation, Agenda, Bridge, and  Meeting Schedule Ref AN-SDO2021-13 | TMF | postponed | - | - |
| S5-216419 | Reply to: LSout to 3GPP SA5 about MANO performance measurements accuracy to estimate VNF energy consumption | ORANGE | approved | - | - |
| S5-216420 | Latest draft TR 28.817 | Nokia | approved | - | - |
| S5-216421 | Presentation sheet for SA approval of TR 28.817 | Nokia | approved | - | - |
| S5-216422 | Rel-17 Input to DraftCR 28.623 file retrieval and download control NRM fragment, stage3 | Ericsson | noted | - | - |
| S5-216423 | LS to RAN3 on model deployment and update from OAM to NG-RAN | Intel | approved | S5-216357 | - |
| S5-216424 | New SID on new aspects of EE for 5G networks Phase 2 | Orange | agreed | S5-216048 | - |
| S5-216425 | New WID on enhancements of EE for 5G phase 2 | Orange | agreed | S5-216049 | - |
| S5-216426 | New SID on deterministic communication service assurance | Huawei, China Mobile, CATT, China Unicom | agreed | S5-216229 | - |
| S5-216427 | New Rel-18 SID 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, AsiaInfo | agreed | S5-216313 | - |
| S5-216428 | New SID on Network and Service Operations for Energy Verticals | EUTC, Samsung, BMWi, Vodafone, Orange, Novamint | agreed | S5-216359 | - |
| S5-216429 | New SID on evaluation of autonomous network levels | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Lenovo, Motorola Mobility, Intel | agreed | S5-216375 | - |
| S5-216430 | New SID on enhancement of autonomous network levels | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Lenovo, Motorola Mobility, Intel | agreed | S5-216376 | - |
| S5-216431 | Rel-16 CR 28.310 Update energy saving solutions | Huawei | agreed | S5-216054 | - |
| S5-216432 | Rel-17 CR 28.310 Update energy saving solutions | Huawei | agreed | S5-216055 | - |
| S5-216433 | Correct handover trigger | Ericsson France S.A.S | agreed | S5-216324 | - |
| S5-216434 | Rel-16 CR 28.532 Correct spelling of notifyAlarmListRebuilt | Nokia, Nokia Shanghai Bell | agreed | S5-216352 | - |
| S5-216435 | Clarify communication service in requirement CSA-CON-06 | Ericsson LM, Deutsche Telekom | agreed | S5-216394 | - |
| S5-216436 | Clarify communication service in requirement CSA-CON-06 | Ericsson LM, Deutsche Telekom | agreed | S5-216396 | - |
| S5-216437 | Rel-17 CR TS 28.541 Update inclusive language modification for TS 28.541 | Huawei | agreed | S5-216198 | - |
| S5-216438 | network slice protection on N6 interface | Nokia, Nokia Shanghai Bell | agreed | S5-216247 | - |
| S5-216439 | network slice specific authentication | Nokia, Nokia Shanghai Bell | agreed | S5-216248 | - |
| S5-216440 | Rel-16 CR 28.622 Clarify behavior of NtfSubscriptionControl | Nokia, Nokia Shanghai Bell | agreed | S5-216347 | - |
| S5-216441 | Rel-16 CR 32.422 Update to include Trace Failure admin messages | Ericsson LM | agreed | S5-216331 | - |
| S5-216442 | Rel-17 CR 32.422 Update to include trace failure admin messages | Ericsson LM | agreed | S5-216333 | - |
| S5-216443 | Rel-16 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record | Nokia, Nokia Shanghai Bell | agreed | S5-216104 | - |
| S5-216444 | Rel-17 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record | Nokia, Nokia Shanghai Bell | agreed | S5-216105 | - |
| S5-216445 | pCR 28.557 Update names for management modes of NPN | Huawei | approved | S5-216056 | - |
| S5-216446 | Modification of network slice related requirements | China Mobile | agreed | S5-216269 | - |
| S5-216447 | Description of Information Elements of an Intent | Nokia Germany, Nokia Shanghai Bell, Huawei Asiainfo | approved | S5-216042 | - |
| S5-216448 | Extend Attributes of the Intent IOC | Nokia Germany | approved | S5-216043 | - |
| S5-216449 | pCR TS 28.312 Update the concept of intent in clause 4.1.3 | Huawei | approved | S5-216218 | - |
| S5-216450 | pCR TS 28.312 Update the use case description to align with intent definition | Huawei | approved | S5-216219 | - |
| S5-216451 | pCR TS 28.312 Add concept of intent translation | Huawei | approved | S5-216220 | - |
| S5-216452 | pCR TS 28.312 Update intent life cycle management in Annex B.1 | Huawei | approved | S5-216221 | - |
| S5-216453 | pCR TS 28.312 pCR TS 28.312 Add generic Intent management requirements | Huawei | approved | S5-216222 | - |
| S5-216454 | pCR TS 28.312 Update RadioNetworkExpectation | Huawei | noted | S5-216224 | - |
| S5-216455 | pCR 28.556 Add notificaition definition | China Mobile Com. Corporation | approved | S5-216119 | - |
| S5-216456 | pCR 28.556 Change stage 2 information attribute definition | China Mobile Com. Corporation | approved | S5-216120 | - |
| S5-216457 | pCR 28.556 update Policy activation and deactivation procedure | Huawei | approved | S5-216173 | - |
| S5-216458 | pCR 28.556 Add stage 3 definition | China Mobile Com. Corporation | approved | S5-216121 | - |
| S5-216459 | pCR 28.556 update PolicyContent definition | Huawei | approved | S5-216174 | - |
| S5-216460 | Rel-17 Input to draftCR S5-215550 TS 28.536 Updates to assurance report for eCOSLA | Huawei Technologies Japan K.K. | approved | S5-216230 | - |
| S5-216461 | Rel-17 Input to draftCR S5-215550 TS 28.536 Add stage 3 SS definitions to assurance report for eCOSLA | Huawei Technologies Japan K.K. | approved | S5-216231 | - |
| S5-216462 | Rel-17 CR 28.313 Add LBO use cases, requirements, and procedure | Intel Corporation (UK) Ltd | agreed | S5-216040 | - |
| S5-216463 | Rel-17 CR 28.313 Add C-SON CCO control information | Huawei | agreed | S5-216195 | - |
| S5-216464 | Clause number correction | Ericsson France S.A.S | agreed | S5-216322 | - |
| S5-216465 | Rel-17 CR NRM for CHO | Ericsson France S.A.S | agreed | S5-216050 | - |
| S5-216466 | Rel-17 CR NRM for CHO Stage 3 | Ericsson France S.A.S | agreed | S5-216051 | - |
| S5-216467 | Rel-17 CR NRM for DAPS handover | Ericsson France S.A.S | agreed | S5-216052 | - |
| S5-216468 | Rel-17 CR NRM for DAPS handover Stage 3 | Ericsson France S.A.S | agreed | S5-216053 | - |
| S5-216469 | Rel-17 CR TS 28.554 Add definition of 5GC energy efficiency (EE) KPI | China Telecom | agreed | S5-216341 | - |
| S5-216470 | pCR 28.104 add inter-gNB beam selection optimization | China Mobile Com. Corporation | approved | S5-216268 | - |
| S5-216471 | pCR 28.104 Replace alarm incident with alarm information | ZTE Corporation | approved | S5-216125 | - |
| S5-216472 | pCR 28.104 Software Management usecase and requirements | Samsung Electronics France SA | approved | S5-216127 | - |
| S5-216473 | pCR 28.104 Paging Optimization usecase and requirements | Samsung Electronics France SA | approved | S5-216128 | - |
| S5-216474 | pCR 28.104 HO Optimization usecase and requirements | Samsung Electronics France SA | approved | S5-216129 | - |
| S5-216475 | pCR 28.104 Alignment of terminology | Huawei | approved | S5-216175 | - |
| S5-216476 | Rel-17 PCR TS 28.104 add coverage analysis requirement | Huawei | approved | S5-216185 | - |
| S5-216477 | Rel-17 PCR TS 28.104 add MDA assisted Energy Saving use case and requirement | Huawei | approved | S5-216190 | - |
| S5-216478 | Add obtaining MDA output | Nokia Germany | approved | S5-216368 | - |
| S5-216479 | Add MDA Request and Control | Nokia Germany | approved | S5-216377 | - |
| S5-216480 | pCR 28.104 Add E2E latency analysis use case and requirements | Huawei | approved | S5-216236 | - |
| S5-216481 | pCR TS28.104 add MDA related data and usecase requirements | China Mobile | approved | S5-216274 | - |
| S5-216482 | Collection of useful charging endorsed and external communication documents | Huawei | revised | - | S5-216506 |
| S5-216483 | CH agenda and time plan | WG vice Chair (Matrixx) | noted | S5-216008 | - |
| S5-216484 | Draft TS 32.257 | Intel | approved | - | - |
| S5-216485 | Draft TR 28.815 | Intel | approved | - | - |
| S5-216486 | Draft TR 28.816 | Huawei | approved | - | - |
| S5-216487 | Draft TR 32.846 | CATT | approved | - | - |
| S5-216488 | Draft TR 28.822 | Huawei | approved | - | - |
| S5-216489 | Draft TR 32.847 | Matrixx | approved | - | - |
| S5-216490 | Draft TR 28.826 | Ericsson | approved | - | - |
| S5-216491 | Draft TR 28.827 | Ericsson | approved | - | - |
| S5-216492 | Introduction of 5G DDNMF in charging architecture for 5GS | CATT | agreed | S5-216302 | - |
| S5-216493 | Rel-17 CR 32.255 Addition of the 5G LAN service charging requirements | Huawei | agreed | S5-216147 | - |
| S5-216494 | pCR 32.257 Add architecture for enabling edge applications | Intel Sweden AB | approved | S5-216316 | - |
| S5-216495 | pCR 32.257 Add Edge Computing domain converged charging architecture | Intel Sweden AB | approved | S5-216317 | - |
| S5-216496 | pCR 32.257 Add charging principles for 5GS usage charging for Edge Computing | Intel Sweden AB | approved | S5-216318 | - |
| S5-216497 | Rel-17 CR 32.255 Addition of the 5G LAN service charging in charging principle | Huawei | agreed | S5-216146 | - |
| S5-216498 | Rel-17 CR 32.240 Addition of the 5G LAN service charging | Huawei | agreed | - | - |
| S5-216499 | Rel-17 CR 32.281 Addition of IMS converged charging announcement | Ericsson LM | agreed | S5-216073 | - |
| S5-216500 | Rel-17 CR 32.275 Correction of references for converged charging | Ericsson LM | agreed | S5-216075 | - |
| S5-216501 | Rel-17 CR 32.291 Addition of MMTel converged charging information | Ericsson LM | agreed | S5-216076 | - |
| S5-216502 | Rel-17 CR 32.291 Addition of IMS converged charging announcement | Ericsson LM | agreed | S5-216074 | - |
| S5-216503 | New SID on Charging Aspects for Non-Public Networks | China Mobile Com. Corporation | agreed | S5-216131 | - |
| S5-216504 | Rel-17 pCR 28.816 Clean up | Huawei | approved | S5-216140 | - |
| S5-216505 | Introduction of 5G ProSe charging and high-level architecture | CATT | agreed | S5-216303 | - |
| S5-216506 | Collection of useful charging endorsed and external communication documents | Huawei | noted | S5-216482 | - |
| S5-216507 | pCR 32.257 Add High-level 5G System architecture | Intel Sweden AB | approved | S5-216315 | - |
| S5-216508 | Presentation of TR 32.847 for information | Matrixx | approved | - | - |
| S5-216509 | pCR 28.815 Update High-level 5G System architecture | Intel Sweden AB | approved | S5-216329 | - |
| S5-216510 | pCR 32.257 Add charging scenarios for 5GS usage charging for Edge Computing | Intel Sweden AB | approved | S5-216328 | - |
| S5-216511 | LS on Enhancement on Charging Identifier Uniqueness Mechanism | Huawei | noted | - | - |
| S5-216512 | Rel-17 pCR 28.815 Correction on CEF based architecuture in solution 7.4.4.9 | Huawei | approved | S5-216162 | - |
| S5-216513 | pCR 28.815 Update the possible solutions for aggregated charging | Intel Sweden AB | approved | S5-216330 | - |
| S5-216514 | pCR 28.815 Add evaluation of edge application access charging via EAS | Intel Sweden AB | approved | S5-216334 | - |
| S5-216515 | Rel-17 CR 32.255 Addition of QoS Monitoring to Assist URLLC Service | Huawei | agreed | S5-215465 | - |
| S5-216516 | Presentation of TR 28.815 for approval | Intel Sweden AB | approved | S5-216340 | - |
| S5-216517 | Rel-17 pCR 28.822 Correction on the Reference | Huawei | approved | S5-216143 | - |
| S5-216518 | New Work Item on charging enhancement for 5GS CIoT | Huawei | agreed | S5-216139 | - |
| S5-216519 | Presentation of TR 28.816 for approval | Huawei | approved | - | - |
| S5-216520 | Presentation of TR 28.822 for information | Huawei | approved | - | - |
| S5-216521 | Rel-17 pCR 28.827 Correction on the potential charging architectures | Huawei | approved | S5-216157 | - |
| S5-216522 | Rel-17 pCR 32.847 New key issue on types of maximum | Ericsson LM | approved | S5-216077 | - |
| S5-216523 | Rel-17 pCR 28.826 Use case trigger without usage | Ericsson LM | approved | S5-216078 | - |
| S5-216524 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-216525 | Rel-17 pCR 28.826 Use case size of charging information | Ericsson LM | approved | S5-216081 | - |
| S5-216526 | Rel-17 pCR 28.827 Adding reference point architecture to clause 7.1.4 | Ericsson LM | approved | S5-216082 | - |
| S5-216527 | Rel-17 pCR 28.827 Adding SBI architecture to clause 7.2.4 | Ericsson LM | approved | S5-216083 | - |
| S5-216528 | Rel-17 pCR 28.827 Adding reference point architecture to clause 7.3.4 | Ericsson LM | approved | S5-216084 | - |
| S5-216529 | Rel-17 pCR 28.827 Adding reference point architecture to clause 7.4.4 | Ericsson LM | approved | S5-216085 | - |
| S5-216530 | Rel-17 pCR 28.827 New use case MVNO without CHF | Ericsson LM | approved | S5-216086 | - |
| S5-216531 | Rel-17 pCR 28.827 New potential solution MVNO without CHF | Ericsson LM | approved | S5-216087 | - |
| S5-216532 | Rel-17 pCR 28.827 Adding reference point architecture to clause 7.5.4 | Ericsson LM | approved | S5-216088 | - |
| S5-216533 | New SID on new network resource usage type for charging in the 5G System (5GS) | Huawei | noted | S5-216138 | - |
| S5-216534 | Rel-17 CR 32.255 Correcting home provided charging id and trigger at inter-PLMN V-SMF change | Ericsson LM | agreed | S5-216072 | - |
| S5-216535 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-216536 | Add converged charging architecture for ProSe | CATT | agreed | S5-216304 | - |
| S5-216537 | Add beam level configuration parameter in NR | Ericsson Japan K-K | agreed | S5-216136 | - |
| S5-216538 | Rel-17 Enhance NRM of UDM function | China Mobile | agreed | S5-216271 | - |
| S5-216539 | TS28.541 CR Rel-17 Stage3 Update for UPF and PCF | China Mobile | agreed | S5-216272 | - |
| S5-216540 | Rel-17 CR 28.541 Introduce missing attribute nrFreqRelationRef in table of attribute properties (stage2) | Nokia, Nokia Shanghai Bell | agreed | S5-216314 | - |
| S5-216541 | Rel-17 CR 28.541 Correct attribute in IOC NRCellRelation (stage 3) | Nokia, Nokia Shanghai Bell | agreed | S5-216332 | - |
| S5-216542 | Enhance 5G Core managed NF Profile NRM fragment (Stage 2) | Nokia Germany, Orange, DT, Telefonica | agreed | S5-216364 | - |
| S5-216543 | 5GC NRM enhancements for ManagedNFProfile (Stage 3) | Nokia Germany | agreed | S5-216365 | - |
| S5-216544 | Adding Signalling Based Activation for UTRAN and LTE | Ericsson LM | agreed | S5-216089 | - |
| S5-216545 | Adding Management Based Activation and Temporary stop and restart during RAN overload in NR | Ericsson LM | approved | S5-216094 | - |
| S5-216546 | Rel-17 CR 28.552 Add enhanced MIMO PRB Usage for cell | China Unicom | agreed | S5-216133 | - |
| S5-216547 | Discussion on enhanced MIMO PRB Usage for cell | China Unicom | endorsed | S5-216134 | - |
| S5-216548 | Add PM on Handover failures per beam related to MRO for intra-system mobility | Nokia, Nokia Shanghai Bell | agreed | S5-216362 | - |
| S5-216549 | New WID on network slicing provisioning rules | Ericsson Inc. | agreed | S5-216349 | - |
| S5-216550 | pCR 28.557 Update NPN management aspects | Huawei | approved | S5-216060 | - |
| S5-216551 | Discussion on structuring Rel-18 work in SA5 | Orange, Deutsche Telekom | endorsed | S5-216374 | - |
| S5-216552 | pCR 28.104 Add network slice instance load analysis use case and requirements | Huawei | approved | S5-216241 | - |
| S5-216553 | pCR draft TS28.104 add slice coverage analysis | China Mobile | approved | S5-216275 | - |
| S5-216554 | pCR 28.104 Add requirements for ML model training | Intel | approved | S5-216342 | - |
| S5-216555 | pCR 28.104 Add MnS producer initiated ML model training | Intel | approved | S5-216344 | - |
| S5-216556 | pCR Add stage 2 structure for TS 28.104 | Intel, NEC, China Telecom, China Mobile, HUAWEI, CATT, AsiaInfo | approved | S5-216345 | - |
| S5-216557 | DP on requesting a new TS number for AI&ML management | Intel, NEC | approved | S5-216346 | - |
| S5-216558 | pCR 28.315 PnC Procedure flows - minor updates | Oy LM Ericsson AB | approved | S5-216097 | - |
| S5-216559 | Rel-17 Input to DraftCR 28.622 Amend file retrieval NRM fragment | Nokia, Nokia Shanghai Bell | approved | S5-216290 | - |
| S5-216560 | Rel-17 CR 28.552 Add EAS data volume measurements | Intel Corporation (UK) Ltd | agreed | S5-216109 | - |
| S5-216561 | pCR 28.538 add MnS information for EAS performance assurance | Intel Corporation (UK) Ltd | approved | S5-216110 | - |
| S5-216562 | pCR 28.538 add Provisioning MnS for Edge Computing | Huawei | approved | S5-216177 | - |
| S5-216563 | pCR 28.538 add transport view for EAS | Huawei | approved | S5-216178 | - |
| S5-216564 | CR Rel-17 TS 28.530 Add description for SBMA supporting manangement of 5G SA and NSA scenarios | Huawei Technologies (Korea) | agreed | S5-216276 | - |
| S5-216565 | pCR TR 28.813 Change editor’s note to note in KI#3 | Orange | approved | S5-216046 | - |
| S5-216566 | pCR 28.813 Update solution of Key Issue 6 | Huawei | approved | S5-216064 | - |
| S5-216567 | Rel-16 CR 32.255 Correction on the User Location Time Description | Huawei | agreed | S5-216155 | - |
| S5-216568 | Rel-17 CR 32.255 Correction on the User Location Time Description | Huawei | agreed | S5-216156 | - |
| S5-216569 | Rel-16 CR 32.291 Alignment of the charging data request and response | Huawei | agreed | S5-216158 | - |
| S5-216570 | Rel-17 CR 32.291 Alignment of the charging data request and response | Huawei | agreed | S5-216159 | - |
| S5-216571 | Rel-16 CR 32.290 Addition of the Threshold based re-authorization triggers | Huawei | agreed | S5-216149 | - |
| S5-216572 | Rel-17 CR 32.290 Addition of the Threshold based re-authorization triggers | Huawei | agreed | S5-216150 | - |
| S5-216573 | Rel-17 CR 32.290 Clarification on the immediate Report | Huawei | agreed | S5-216152 | - |
| S5-216574 | Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service | Huawei | agreed | S5-216160 | - |
| S5-216575 | Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service | Huawei | agreed | S5-216161 | - |
| S5-216576 | Presentation of TR 32.846 for approval | CATT | approved | S5-216305 | - |
| S5-216577 | New Rel-18 WID on Enhanced intent driven management services for mobile network | Huawei, China Telecom, CATT, AsiaInfo, China Unicom, China Mobile | agreed | S5-216091 | - |
| S5-216578 | New SID on intent-driven network slicing management | Ericsson Inc. | noted | S5-216351 | - |
| S5-216579 | New SID on PaaS for Virtualized Network Functions | China Mobile Com. Corporation | noted | S5-216243 | - |
| S5-216580 | Rel-15 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA | Huawei | not pursued | S5-216211 | - |
| S5-216581 | Rel-16 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA | Huawei | not pursued | S5-216212 | - |
| S5-216582 | pCR 28.824 Concept definition for Exposed Management Service | Huawei | approved | S5-216181 | - |
| S5-216583 | Clarifications on clause 4 overview | Ericsson LM, Deutsche Telekom | approved | S5-216383 | - |
| S5-216584 | Discussion Paper on exposure scenario | Alibaba Group, AsiaInfo | endorsed | S5-216282 | - |
| S5-216585 | pCR TR 28.824 add procedures related to product onboarding | AsiaInfo Technologies Inc | approved | S5-216308 | - |
| S5-216586 | Clarifications on clause 5 use cases | Ericsson LM, Deutsche Telekom | approved | S5-216384 | - |
| S5-216587 | pCR 28.819 Providing detailed information for testing an NF | Lenovo, Motorola Mobility, CMCC | approved | S5-216386 | - |
| S5-216588 | pCR 28.819 Automated operational testing | Lenovo, Motorola Mobility, CMCC | approved | S5-216380 | - |
| S5-216589 | pCR 28.819 Solution of providing vendor feedback | China Mobile Com. Corporation, Lenovo, Motorola Mobility | approved | S5-216251 | - |
| S5-216590 | pCR 28.819 Solution of environment data collection | China Mobile Com. Corporation, Lenovo, Motorola Mobility | approved | S5-216253 | - |
| S5-216591 | Latest draft TS 28.312 | Huawei | withdrawn | - | - |
| S5-216592 | pCR 28.819 Use case of test data analysis | China Mobile Com. Corporation, Lenovo, Motorola Mobility | approved | S5-216255 | - |
| S5-216593 | pCR 28.819 Add initial recomendations | Lenovo, Motorola Mobilty, CMCC | approved | S5-216378 | - |
| S5-216594 | TR 28.925 Add key issue on modelling of MnF | Huawei Technologies (Korea) | approved | S5-216233 | - |
| S5-216595 | SID revised was SP-210136 SID on enhancement of service based management architecture | Huawei Technologies (Korea) | agreed | S5-216281 | - |
| S5-216596 | DraftCR for eCOSLA - TS 28.536 | Ericsson | approved | - | - |
| S5-216597 | DraftCR for FIMA TS 28.622 | Nokia | approved | - | - |
| S5-216598 | Latest draft TS 28.557 | Huawei | approved | - | - |
| S5-216599 | Latest draft TS 28.100 | China Mobile | approved | - | - |
| S5-216600 | Latest draft TS 28.556 | China Mobile | approved | - | - |
| S5-216601 | Latest draft TS 28.104 | Intel | approved | - | - |
| S5-216602 | Latest draft TS 28.314 | Ericsson | approved | - | - |
| S5-216603 | Latest draft TS 28.315 | Ericsson | approved | - | - |
| S5-216604 | Latest draft TS 28.316 | Ericsson | approved | - | - |
| S5-216605 | Latest draft TS 28.538 | Samsung | approved | - | - |
| S5-216606 | Latest draft TR 28.813 | ORANGE | approved | - | - |
| S5-216607 | Latest draft TR 28.811 | Huawei | approved | - | - |
| S5-216608 | Latest draft TR 28.824 | Alibaba | approved | - | - |
| S5-216609 | Latest draft TR 28.819 | Lenovo | approved | - | - |
| S5-216610 | Latest draft TR 28.925 | Huawei, Ericsson | approved | - | - |
| S5-216611 | Latest draft TR 28.825 | China Unicom | approved | - | - |
| S5-216612 | pCR 28.813 Update impact on normative work of Key Issue 4 | Huawei | approved | S5-216065 | - |
| S5-216613 | Conditional Handover services and procedures | Ericsson France S.A.S | approved | S5-216319 | - |
| S5-216614 | DAPS handover services and procedures | Ericsson France S.A.S | approved | S5-216320 | - |
| S5-216615 | Presentation sheet for approval of TR 28.811 | Huawei | approved | S5-216172 | - |
| S5-216616 | Add Use Case for the exposure without going through BSS | Alibaba Group, AsiaInfo | approved | S5-216283 | - |
| S5-216617 | Exposure of network slice as a service | Alibaba Group, AsiaInfo | approved | S5-216284 | - |
| S5-216618 | Rel-15 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA | Huawei | not pursued | S5-216213 | - |
| S5-216619 | Rel-16 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA | Huawei | not pursued | S5-216214 | - |
| S5-216620 | Rel-17 CR 28.541 Stage 3 YANG updates for stage 2 CRs 214164, 585-8 | Cisco Systems Belgium | not pursued | S5-216093 | - |
| S5-216621 | DraftCR for E-HOO - TS 28.313 | Huawei | approved | - | - |
| S5-216622 | Rel-17 pCR TS 28.104 Add MDA analysis report reporting related service component | Huawei | approved | S5-216194 | - |
| S5-216623 | pCR 28.824 Exposure to SA6 applications or mddleware | Lenovo, Motorola Mobility | approved | S5-216403 | - |
| S5-216624 | Consolidate potential requirements of use cases for eMnS discovery service | Alibaba Group | approved | S5-216285 | - |
| S5-216625 | Add text to procedures related to management capability exposure | Ericsson LM, Deutsche Telekom | approved | S5-216382 | - |
| S5-216626 | pCR 28.819 Describe ETSI NFV testing framework | Huawei | approved | S5-216180 | - |
| S5-216627 | pCR 28.825 Add analysis and comparison of potential solutions | ZTE, China Unicom | approved | S5-216116 | - |
| S5-216628 | Reply to: LS on the Beam measurement reports for the MDT measurements | Ericsson | approved | S5-216137 | - |
| S5-216629 | Latest draft TS 28.312 | Huawei | approved | - | - |

### A2: Tdoc decision timing

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| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S5-216000 | 25/11/2021 13:50:43 | approved |
| S5-216002 | 25/11/2021 13:56:21 | noted |
| S5-216004 | 25/11/2021 14:05:07 | noted |
| S5-216005 | 25/11/2021 14:05:08 | noted |
| S5-216006 | 03/12/2021 08:18:34 | noted |
| S5-216007 | 25/11/2021 14:05:16 | noted |
| S5-216008 | 24/11/2021 15:08:35 | revised |
| S5-216009 | 26/11/2021 14:22:37 | noted |
| S5-216010 | 25/11/2021 13:56:27 | noted |
| S5-216011 | 25/11/2021 13:56:31 | noted |
| S5-216012 | 25/11/2021 14:04:58 | noted |
| S5-216013 | 25/11/2021 13:59:03 | replied to |
| S5-216014 | 25/11/2021 13:59:34 | postponed |
| S5-216015 | 25/11/2021 14:00:11 | available |
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| S5-216022 | 25/11/2021 14:22:20 | replied to |
| S5-216023 | 25/11/2021 14:23:04 | postponed |
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| S5-216025 | 25/11/2021 14:01:03 | noted |
| S5-216026 | 25/11/2021 14:01:17 | replied to |
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| S5-216030 | 24/11/2021 15:09:29 | noted |
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| S5-216036 | 25/11/2021 14:04:41 | postponed |
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| S5-216043 | 26/11/2021 11:33:48 | revised |
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| S5-216254 | 26/11/2021 13:41:05 | noted |
| S5-216255 | 26/11/2021 13:41:19 | revised |
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| S5-216257 | 26/11/2021 11:31:09 | approved |
| S5-216258 | 26/11/2021 11:31:10 | approved |
| S5-216259 | 26/11/2021 11:31:12 | approved |
| S5-216260 | 26/11/2021 12:42:05 | noted |
| S5-216261 | 26/11/2021 11:37:54 | noted |
| S5-216262 | 25/11/2021 14:29:51 | noted |
| S5-216263 | 25/11/2021 14:29:57 | noted |
| S5-216264 | 25/11/2021 14:30:01 | noted |
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| S5-216266 | 26/11/2021 11:37:58 | noted |
| S5-216267 | 25/11/2021 14:04:34 | noted |
| S5-216268 | 26/11/2021 13:17:00 | revised |
| S5-216269 | 26/11/2021 09:45:52 | revised |
| S5-216270 | 26/11/2021 09:45:59 | available |
| S5-216271 | 26/11/2021 09:47:17 | revised |
| S5-216272 | 26/11/2021 10:29:24 | revised |
| S5-216273 | 26/11/2021 11:37:26 | noted |
| S5-216274 | 26/11/2021 13:16:11 | revised |
| S5-216275 | 26/11/2021 13:17:15 | revised |
| S5-216276 | 26/11/2021 13:23:32 | revised |
| S5-216277 | 25/11/2021 13:51:27 | noted |
| S5-216278 | 25/11/2021 13:52:00 | noted |
| S5-216279 | 25/11/2021 13:52:01 | noted |
| S5-216280 | 25/11/2021 13:52:13 | noted |
| S5-216281 | 26/11/2021 13:43:14 | revised |
| S5-216282 | 26/11/2021 13:32:15 | revised |
| S5-216283 | 26/11/2021 13:32:35 | revised |
| S5-216284 | 24/11/2021 15:43:41 | revised |
| S5-216285 | 24/11/2021 15:47:52 | revised |
| S5-216286 | 24/11/2021 15:10:09 | noted |
| S5-216287 | 25/11/2021 15:03:02 | available |
| S5-216288 | 25/11/2021 15:09:19 | available |
| S5-216289 | 26/11/2021 12:41:02 | noted |
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| S5-216292 | 26/11/2021 11:30:43 | noted |
| S5-216293 | 26/11/2021 11:30:46 | noted |
| S5-216294 | 26/11/2021 11:30:50 | noted |
| S5-216299 | 26/11/2021 12:41:06 | agreed |
| S5-216300 | 26/11/2021 13:17:18 | noted |
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| S5-216303 | 24/11/2021 15:17:54 | revised |
| S5-216304 | 24/11/2021 15:18:19 | revised |
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| S5-216306 | 25/11/2021 14:30:07 | noted |
| S5-216307 | 25/11/2021 15:08:46 | agreed |
| S5-216308 | 26/11/2021 13:35:38 | revised |
| S5-216309 | 25/11/2021 14:30:11 | noted |
| S5-216310 | 25/11/2021 15:08:49 | agreed |
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| S5-216312 | 26/11/2021 13:24:10 | agreed |
| S5-216313 | 25/11/2021 14:30:21 | revised |
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| S5-216318 | 24/11/2021 15:15:47 | revised |
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| S5-216320 | 26/11/2021 12:39:16 | revised |
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| S5-216322 | 26/11/2021 12:38:06 | revised |
| S5-216323 | 25/11/2021 14:34:26 | available |
| S5-216324 | 25/11/2021 14:34:38 | revised |
| S5-216325 | 25/11/2021 14:57:33 | available |
| S5-216326 | 25/11/2021 14:57:39 | available |
| S5-216327 | 25/11/2021 15:09:01 | available |
| S5-216328 | 24/11/2021 15:15:58 | revised |
| S5-216329 | 24/11/2021 15:22:59 | revised |
| S5-216330 | 24/11/2021 15:23:12 | revised |
| S5-216331 | 25/11/2021 15:09:35 | revised |
| S5-216332 | 26/11/2021 10:29:51 | revised |
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| S5-216345 | 26/11/2021 13:18:00 | revised |
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| S5-216347 | 25/11/2021 15:06:52 | revised |
| S5-216348 | 26/11/2021 13:18:14 | approved |
| S5-216349 | 25/11/2021 14:30:42 | revised |
| S5-216350 | 26/11/2021 12:52:49 | approved |
| S5-216351 | 25/11/2021 14:28:36 | revised |
| S5-216352 | 25/11/2021 14:35:46 | revised |
| S5-216353 | 26/11/2021 13:18:21 | noted |
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| S5-216359 | 25/11/2021 14:31:06 | revised |
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| S5-216364 | 26/11/2021 10:30:22 | revised |
| S5-216365 | 26/11/2021 10:30:40 | revised |
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| S5-216367 | 26/11/2021 13:36:47 | noted |
| S5-216368 | 26/11/2021 13:14:25 | revised |
| S5-216369 | 26/11/2021 11:30:27 | noted |
| S5-216370 | 26/11/2021 11:30:31 | noted |
| S5-216371 | 25/11/2021 14:31:16 | noted |
| S5-216372 | 26/11/2021 13:22:05 | noted |
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| S5-216380 | 26/11/2021 13:39:10 | revised |
| S5-216381 | 26/11/2021 10:30:47 | available |
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| S5-216384 | 26/11/2021 13:36:04 | revised |
| S5-216385 | 26/11/2021 13:36:09 | approved |
| S5-216386 | 26/11/2021 13:37:01 | revised |
| S5-216387 | 26/11/2021 13:24:41 | available |
| S5-216388 | 26/11/2021 13:25:17 | noted |
| S5-216389 | 25/11/2021 14:57:48 | agreed |
| S5-216390 | 26/11/2021 13:25:24 | available |
| S5-216391 | 26/11/2021 10:34:07 | noted |
| S5-216392 | 26/11/2021 13:23:19 | available |
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| S5-216394 | 25/11/2021 14:36:28 | revised |
| S5-216395 | 25/11/2021 14:36:17 | agreed |
| S5-216396 | 25/11/2021 14:56:57 | revised |
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| S5-216399 | 26/11/2021 11:30:57 | noted |
| S5-216400 | 26/11/2021 11:36:04 | noted |
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| S5-216406 | 26/11/2021 12:36:58 | noted |
| S5-216407 | 26/11/2021 09:47:00 | noted |
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| S5-216416 | 25/11/2021 14:22:35 | approved |
| S5-216417 | 25/11/2021 14:23:42 | approved |
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| S5-216426 | 25/11/2021 14:29:16 | agreed |
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| S5-216428 | 25/11/2021 14:31:07 | agreed |
| S5-216429 | 25/11/2021 14:31:52 | agreed |
| S5-216430 | 25/11/2021 14:32:01 | agreed |
| S5-216431 | 25/11/2021 14:32:30 | agreed |
| S5-216432 | 25/11/2021 14:32:48 | agreed |
| S5-216433 | 25/11/2021 14:34:39 | agreed |
| S5-216434 | 25/11/2021 14:35:47 | agreed |
| S5-216435 | 25/11/2021 14:36:29 | agreed |
| S5-216436 | 25/11/2021 14:56:58 | agreed |
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| S5-216438 | 25/11/2021 15:02:29 | agreed |
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| S5-216452 | 26/11/2021 11:37:06 | approved |
| S5-216453 | 26/11/2021 11:37:16 | approved |
| S5-216454 | 26/11/2021 11:37:42 | reserved |
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| S5-216456 | 26/11/2021 11:39:19 | approved |
| S5-216457 | 26/11/2021 11:39:33 | approved |
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| S5-216463 | 26/11/2021 12:37:46 | agreed |
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| S5-216465 | 26/11/2021 12:38:26 | agreed |
| S5-216466 | 26/11/2021 12:38:34 | agreed |
| S5-216467 | 26/11/2021 12:38:46 | agreed |
| S5-216468 | 26/11/2021 12:38:55 | agreed |
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| S5-216471 | 26/11/2021 12:41:45 | approved |
| S5-216472 | 26/11/2021 12:42:21 | approved |
| S5-216473 | 26/11/2021 12:42:32 | approved |
| S5-216474 | 26/11/2021 12:42:43 | approved |
| S5-216475 | 26/11/2021 12:42:52 | approved |
| S5-216476 | 26/11/2021 12:43:03 | approved |
| S5-216477 | 26/11/2021 12:56:20 | approved |
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| S5-216479 | 26/11/2021 13:14:40 | approved |
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| S5-216483 | 24/11/2021 15:08:47 | noted |
| S5-216484 | 24/11/2021 15:16:53 | reserved |
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| S5-216485 | 24/11/2021 15:25:01 | reserved |
| S5-216485 | 01/12/2021 09:12:24 | approved |
| S5-216486 | 24/11/2021 15:27:28 | reserved |
| S5-216486 | 01/12/2021 09:12:31 | approved |
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| S5-216488 | 24/11/2021 15:30:47 | reserved |
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| S5-216489 | 24/11/2021 15:33:32 | reserved |
| S5-216489 | 01/12/2021 16:42:54 | approved |
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| S5-216491 | 24/11/2021 16:09:25 | reserved |
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| S5-216493 | 24/11/2021 15:19:44 | agreed |
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| S5-216499 | 24/11/2021 15:13:05 | agreed |
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| S5-216502 | 24/11/2021 15:13:16 | agreed |
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| S5-216516 | 24/11/2021 15:23:35 | approved |
| S5-216517 | 24/11/2021 15:29:33 | approved |
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| S5-216519 | 24/11/2021 15:26:25 | approved |
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| S5-216523 | 24/11/2021 15:35:08 | approved |
| S5-216524 | 24/11/2021 08:58:10 | reserved |
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| S5-216525 | 24/11/2021 08:58:38 | reserved |
| S5-216525 | 24/11/2021 09:03:42 | email approval |
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| S5-216526 | 24/11/2021 16:07:13 | approved |
| S5-216527 | 24/11/2021 16:07:24 | approved |
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| S5-216530 | 24/11/2021 16:07:57 | approved |
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| S5-216532 | 24/11/2021 16:08:17 | approved |
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| S5-216536 | 24/11/2021 15:18:20 | agreed |
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| S5-216545 | 26/11/2021 10:31:48 | agreed |
| S5-216545 | 26/11/2021 10:31:56 | approved |
| S5-216546 | 26/11/2021 10:32:17 | agreed |
| S5-216547 | 26/11/2021 10:32:38 | reserved |
| S5-216547 | 26/11/2021 10:32:41 | agreed |
| S5-216548 | 26/11/2021 10:33:29 | agreed |
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| S5-216578 | 25/11/2021 14:28:38 | reserved |
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| S5-216580 | 25/11/2021 15:07:25 | reserved |
| S5-216580 | 01/12/2021 13:45:11 | email approval |
| S5-216581 | 25/11/2021 15:07:56 | reserved |
| S5-216581 | 01/12/2021 13:45:20 | email approval |
| S5-216582 | 26/11/2021 13:31:41 | reserved |
| S5-216582 | 01/12/2021 13:45:40 | approved |
| S5-216583 | 26/11/2021 13:31:59 | approved |
| S5-216584 | 26/11/2021 13:32:17 | reserved |
| S5-216585 | 26/11/2021 13:35:39 | approved |
| S5-216586 | 26/11/2021 13:36:06 | approved |
| S5-216587 | 26/11/2021 13:37:08 | approved |
| S5-216588 | 26/11/2021 13:39:14 | approved |
| S5-216589 | 26/11/2021 13:40:47 | approved |
| S5-216590 | 26/11/2021 13:41:00 | approved |
| S5-216591 | 26/11/2021 14:01:40 | approved |
| S5-216591 | 02/12/2021 09:26:31 | revised |
| S5-216591 | 02/12/2021 09:26:36 | withdrawn |
| S5-216592 | 26/11/2021 13:41:20 | approved |
| S5-216593 | 26/11/2021 13:41:42 | approved |
| S5-216594 | 26/11/2021 13:42:52 | approved |
| S5-216595 | 26/11/2021 13:43:15 | agreed |
| S5-216596 | 26/11/2021 13:45:36 | reserved |
| S5-216596 | 01/12/2021 13:45:54 | approved |
| S5-216597 | 26/11/2021 13:53:37 | reserved |
| S5-216597 | 01/12/2021 17:18:12 | approved |
| S5-216598 | 26/11/2021 13:59:50 | reserved |
| S5-216598 | 01/12/2021 09:13:52 | approved |
| S5-216599 | 26/11/2021 14:00:47 | reserved |
| S5-216599 | 30/11/2021 10:30:03 | approved |
| S5-216600 | 26/11/2021 14:02:42 | reserved |
| S5-216600 | 01/12/2021 09:14:02 | approved |
| S5-216601 | 26/11/2021 14:05:52 | reserved |
| S5-216601 | 03/12/2021 08:18:51 | approved |
| S5-216602 | 26/11/2021 14:06:49 | reserved |
| S5-216602 | 01/12/2021 09:13:01 | approved |
| S5-216603 | 26/11/2021 14:07:41 | reserved |
| S5-216603 | 01/12/2021 09:13:08 | approved |
| S5-216604 | 26/11/2021 14:08:33 | reserved |
| S5-216604 | 01/12/2021 09:13:15 | approved |
| S5-216605 | 26/11/2021 14:09:24 | reserved |
| S5-216605 | 30/11/2021 10:29:39 | approved |
| S5-216606 | 26/11/2021 14:10:09 | reserved |
| S5-216606 | 30/11/2021 10:29:32 | approved |
| S5-216607 | 26/11/2021 14:11:04 | reserved |
| S5-216607 | 30/11/2021 10:29:23 | approved |
| S5-216608 | 26/11/2021 14:11:49 | reserved |
| S5-216608 | 03/12/2021 10:37:48 | approved |
| S5-216609 | 26/11/2021 14:12:37 | reserved |
| S5-216609 | 02/12/2021 13:47:08 | approved |
| S5-216610 | 26/11/2021 14:13:36 | reserved |
| S5-216610 | 30/11/2021 10:29:14 | approved |
| S5-216611 | 26/11/2021 14:15:00 | reserved |
| S5-216611 | 02/12/2021 08:25:18 | approved |
| S5-216612 | 26/11/2021 13:15:29 | approved |
| S5-216613 | 26/11/2021 12:39:50 | reserved |
| S5-216613 | 01/12/2021 13:46:29 | approved |
| S5-216614 | 26/11/2021 12:39:18 | reserved |
| S5-216614 | 01/12/2021 13:46:35 | approved |
| S5-216615 | 26/11/2021 13:31:10 | reserved |
| S5-216615 | 30/11/2021 10:29:04 | approved |
| S5-216616 | 26/11/2021 13:32:37 | approved |
| S5-216617 | 26/11/2021 13:32:46 | approved |
| S5-216618 | 25/11/2021 15:08:17 | reserved |
| S5-216618 | 01/12/2021 13:46:54 | email approval |
| S5-216619 | 25/11/2021 15:08:29 | reserved |
| S5-216619 | 01/12/2021 13:46:58 | email approval |
| S5-216620 | 26/11/2021 09:46:36 | reserved |
| S5-216620 | 02/12/2021 10:37:51 | email approval |
| S5-216621 | 25/11/2021 10:35:43 | reserved |
| S5-216621 | 02/12/2021 08:25:34 | approved |
| S5-216622 | 26/11/2021 14:22:24 | reserved |
| S5-216622 | 01/12/2021 13:47:20 | approved |
| S5-216623 | 26/11/2021 13:33:01 | reserved |
| S5-216623 | 01/12/2021 13:47:30 | approved |
| S5-216624 | 26/11/2021 13:33:35 | approved |
| S5-216625 | 26/11/2021 13:35:47 | reserved |
| S5-216625 | 01/12/2021 13:47:47 | approved |
| S5-216626 | 26/11/2021 13:36:27 | reserved |
| S5-216626 | 01/12/2021 13:47:52 | approved |
| S5-216627 | 26/11/2021 13:43:47 | reserved |
| S5-216627 | 01/12/2021 13:47:57 | approved |
| S5-216628 | 26/11/2021 13:49:29 | reserved |
| S5-216628 | 26/11/2021 15:31:13 | approved |
| S5-216629 | 02/12/2021 09:27:43 | approved |
| S5-2166514 | 24/11/2021 15:21:58 | approved |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-216054 | Rel-16 CR 28.310 Update energy saving solutions | Huawei | 28.310 | 0019 | - | Rel-16 | F | EE\_5G | revised |
| S5-216431 | Rel-16 CR 28.310 Update energy saving solutions | Huawei | 28.310 | 0019 | 1 | Rel-16 | F | EE\_5G | agreed |
| S5-216055 | Rel-17 CR 28.310 Update energy saving solutions | Huawei | 28.310 | 0020 | - | Rel-17 | A | EE\_5G | revised |
| S5-216432 | Rel-17 CR 28.310 Update energy saving solutions | Huawei | 28.310 | 0020 | 1 | Rel-17 | A | EE\_5G | agreed |
| S5-216040 | Rel-17 CR 28.313 Add LBO use cases, requirements, and procedure | Intel Corporation (UK) Ltd | 28.313 | 0037 | - | Rel-17 | B | eSON\_5G | revised |
| S5-216462 | Rel-17 CR 28.313 Add LBO use cases, requirements, and procedure | Intel Corporation (UK) Ltd | 28.313 | 0037 | 1 | Rel-17 | B | eSON\_5G | agreed |
| S5-216107 | Rel-17 CR 28.313 Add information in the PCI configuration notification | Intel Corporation (UK) Ltd | 28.313 | 0038 | - | Rel-17 | B | eSON\_5G | not pursued |
| S5-216108 | Rel-17 CR 28.313 Add information in the C-SON notification | Intel Corporation (UK) Ltd | 28.313 | 0039 | - | Rel-17 | B | eSON\_5G | not pursued |
| S5-216195 | Rel-17 CR 28.313 Add C-SON CCO control information | Huawei | 28.313 | 0040 | - | Rel-17 | B | eSON\_5G | revised |
| S5-216463 | Rel-17 CR 28.313 Add C-SON CCO control information | Huawei | 28.313 | 0040 | 1 | Rel-17 | B | eSON\_5G | agreed |
| S5-216322 | Clause number correction | Ericsson France S.A.S | 28.313 | 0041 | - | Rel-17 | F | eSON\_5G | revised |
| S5-216464 | Clause number correction | Ericsson France S.A.S | 28.313 | 0041 | 1 | Rel-17 | F | eSON\_5G | agreed |
| S5-216323 | Correct handover trigger | Ericsson France S.A.S | 28.313 | 0042 | - | Rel-16 | C | SON\_5G | not pursued |
| S5-216324 | Correct handover trigger | Ericsson France S.A.S | 28.313 | 0043 | - | Rel-17 | C | eSON\_5G | revised |
| S5-216433 | Correct handover trigger | Ericsson France S.A.S | 28.313 | 0043 | 1 | Rel-17 | C | eSON\_5G | agreed |
| S5-216363 | Add beam specific handover counters to MRO | Nokia, Nokia Shanghai Bell | 28.313 | 0044 | - | Rel-17 | B | eSON\_5G | agreed |
| S5-216089 | Adding Signalling Based Activation for UTRAN and LTE | Ericsson LM | 28.405 | 0003 | - | Rel-17 | B | eQoE | revised |
| S5-216544 | Adding Signalling Based Activation for UTRAN and LTE | Ericsson LM | 28.405 | 0003 | 1 | Rel-17 | B | eQoE | agreed |
| S5-216122 | Rel-16 CR TS 28.405 Correct the description of QoE reference and PLMN target | ZTE Corporation | 28.405 | 0004 | - | Rel-16 | F | TEI16 | agreed |
| S5-216276 | CR Rel-17 TS 28.530 Add description for SBMA supporting manangement of 5G SA and NSA scenarios | Huawei Technologies (Korea) | 28.530 | 0051 | - | Rel-17 | B | NSA\_SBMA | revised |
| S5-216564 | CR Rel-17 TS 28.530 Add description for SBMA supporting manangement of 5G SA and NSA scenarios | Huawei Technologies (Korea) | 28.530 | 0051 | 1 | Rel-17 | B | NSA\_SBMA | agreed |
| S5-216206 | 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 | 2 | Rel-17 | B | DUMMY | not pursued |
| S5-216387 | CR Rel-17 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 2 | Ericsson LM, Deutsche Telekom | 28.531 | 0088 | 2 | Rel-17 | C | DUMMY | not pursued |
| S5-216114 | CR 28.531 Fixing NetworkSlice and NetworkSliceSubnet Allocation and Deallocation Stage 3 | Samsung Electronics France SA | 28.531 | 0096 | - | Rel-17 | F | DUMMY | not pursued |
| S5-216169 | Rel-17 CR 28.531 Update NSI and NSSI allocation precedures | Huawei | 28.531 | 0097 | - | Rel-17 | B | eMEMTANE | not pursued |
| S5-216269 | Modification of network slice related requirements | China Mobile | 28.531 | 0098 | - | Rel-17 | B | EMA5SLA | revised |
| S5-216446 | Modification of network slice related requirements | China Mobile | 28.531 | 0098 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-216095 | Rel-17 CR 28.532 Add definition of additionalText in notifyMOIAttributeValueChanges | Intel Corporation (UK) Ltd | 28.532 | 0192 | - | Rel-17 | C | eSON\_5G | not pursued |
| S5-216352 | Rel-16 CR 28.532 Correct spelling of notifyAlarmListRebuilt | Nokia, Nokia Shanghai Bell | 28.532 | 0193 | - | Rel-16 | F | NETSLICE, TEI16 | revised |
| S5-216434 | Rel-16 CR 28.532 Correct spelling of notifyAlarmListRebuilt | Nokia, Nokia Shanghai Bell | 28.532 | 0193 | 1 | Rel-16 | F | NETSLICE, TEI16 | agreed |
| S5-216111 | enhance SBMA to support access control | Nokia, Nokia Shanghai Bell, Ericsson | 28.533 | 0091 | - | Rel-17 | B | MSAC | withdrawn |
| S5-216112 | enhance SBMA to support access control | Nokia, Nokia Shanghai Bell, Ericsson | 28.533 | 0092 | - | Rel-17 | B | MSAC | agreed |
| S5-216113 | enhance request-response communication paradigm to support access control | Nokia, Nokia Shanghai Bell, Ericsson | 28.533 | 0093 | - | Rel-17 | B | MSAC | agreed |
| S5-216215 | Rel-16 CR TS 28.533 Fix editorial issues | Huawei | 28.533 | 0094 | - | Rel-16 | F | TEI16 | agreed |
| S5-216216 | Rel-17 CR TS 28.533 Fix editorial issue | Huawei | 28.533 | 0095 | - | Rel-17 | A | TEI16 | agreed |
| S5-216393 | Clarify business requirement and correct punctuation | Ericsson LM, Deutsche Telekom | 28.535 | 0060 | - | Rel-16 | F | COSLA | agreed |
| S5-216394 | Clarify communication service in requirement CSA-CON-06 | Ericsson LM, Deutsche Telekom | 28.535 | 0061 | - | Rel-16 | F | COSLA | revised |
| S5-216435 | Clarify communication service in requirement CSA-CON-06 | Ericsson LM, Deutsche Telekom | 28.535 | 0061 | 1 | Rel-16 | F | COSLA | agreed |
| S5-216395 | Clarify business requirement and correct punctuation | Ericsson LM, Deutsche Telekom | 28.535 | 0062 | - | Rel-17 | A | COSLA | agreed |
| S5-216396 | Clarify communication service in requirement CSA-CON-06 | Ericsson LM, Deutsche Telekom | 28.535 | 0063 | - | Rel-17 | A | COSLA | revised |
| S5-216436 | Clarify communication service in requirement CSA-CON-06 | Ericsson LM, Deutsche Telekom | 28.535 | 0063 | 1 | Rel-17 | A | COSLA | agreed |
| S5-216299 | Clarifications into existing requirements | NEC Europe Ltd | 28.537 | 0008 | - | Rel-17 | C | 5GDMS | agreed |
| S5-216312 | Rel-17 CR 28.540 Add requirements for NRM access control | Ericsson LM | 28.540 | 0016 | - | Rel-17 | B | MSAC | agreed |
| S5-216205 | Rel-17 CR TS 28.541 Add feasibility check NRM fragment | Huawei,China Unicom, Deutsche Telekom,China Mobile | 28.541 | 0536 | 2 | Rel-17 | B | DUMMY | not pursued |
| S5-216228 | Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment | Huawei | 28.541 | 0538 | 2 | Rel-17 | B | eMEMTANE | not pursued |
| S5-216039 | Correction of YANG Solution set | Ericsson Hungary Ltd | 28.541 | 0607 | - | Rel-17 | F | adNRM | agreed |
| S5-216050 | Rel-17 CR NRM for CHO | Ericsson France S.A.S | 28.541 | 0608 | - | Rel-17 | B | E\_HOO | revised |
| S5-216465 | Rel-17 CR NRM for CHO | Ericsson France S.A.S | 28.541 | 0608 | 1 | Rel-17 | B | E\_HOO | agreed |
| S5-216051 | Rel-17 CR NRM for CHO Stage 3 | Ericsson France S.A.S | 28.541 | 0609 | - | Rel-17 | B | E\_HOO | revised |
| S5-216466 | Rel-17 CR NRM for CHO Stage 3 | Ericsson France S.A.S | 28.541 | 0609 | 1 | Rel-17 | B | E\_HOO | agreed |
| S5-216052 | Rel-17 CR NRM for DAPS handover | Ericsson France S.A.S | 28.541 | 0610 | - | Rel-17 | B | E\_HOO | revised |
| S5-216467 | Rel-17 CR NRM for DAPS handover | Ericsson France S.A.S | 28.541 | 0610 | 1 | Rel-17 | B | E\_HOO | agreed |
| S5-216053 | Rel-17 CR NRM for DAPS handover Stage 3 | Ericsson France S.A.S | 28.541 | 0611 | - | Rel-17 | B | E\_HOO | revised |
| S5-216468 | Rel-17 CR NRM for DAPS handover Stage 3 | Ericsson France S.A.S | 28.541 | 0611 | 1 | Rel-17 | B | E\_HOO | agreed |
| S5-216063 | Rel-17 CR 28.541 Remove editor notes | Huawei | 28.541 | 0612 | - | Rel-17 | F | EMA5SLA | agreed |
| S5-216066 | Update 5GC NRM for 5G\_DDNMF reference point | CATT | 28.541 | 0613 | - | Rel-17 | F | adNRM | agreed |
| S5-216093 | Rel-17 CR 28.541 Stage 3 YANG updates for stage 2 CRs 214164, 585-8 | Cisco Systems Belgium | 28.541 | 0614 | - | Rel-17 | C | adNRM | revised |
| S5-216620 | Rel-17 CR 28.541 Stage 3 YANG updates for stage 2 CRs 214164, 585-8 | Cisco Systems Belgium | 28.541 | 0614 | 1 | Rel-17 | C | adNRM | not pursued |
| S5-216166 | Rel-17 CR TS 28.541 Add tenant IOC to support multiple tenant environment | Huawei | 28.541 | 0615 | - | Rel-17 | B | eMEMTANE | withdrawn |
| S5-216168 | Rel-17 CR 28.541 Add N70 N71 stage 3 | Huawei | 28.541 | 0616 | - | Rel-17 | B | adNRM | not pursued |
| S5-216170 | Rel-17 CR 28.541 Update ServiceProfile and SliceProfile | Huawei | 28.541 | 0617 | - | Rel-17 | B | eMEMTANE | not pursued |
| S5-216196 | Rel-17 CR 28.541 Add C-SON CCO NRM model | Huawei | 28.541 | 0618 | - | Rel-17 | B | eSON\_5G | not pursued |
| S5-216198 | Rel-17 CR TS 28.541 Update inclusive language modification for TS 28.541 | Huawei | 28.541 | 0619 | - | Rel-17 | D | TEI17 | revised |
| S5-216437 | Rel-17 CR TS 28.541 Update inclusive language modification for TS 28.541 | Huawei | 28.541 | 0619 | 1 | Rel-17 | D | TEI17 | agreed |
| S5-216207 | Rel-16 CR TS 28.541 Correct the wrong reference for TS 32.160 | Huawei | 28.541 | 0620 | - | Rel-16 | F | eNRM | agreed |
| S5-216208 | Rel-17 CR TS 28.541 Correct the wrong reference for TS 32.160 | Huawei | 28.541 | 0621 | - | Rel-17 | A | eNRM | agreed |
| S5-216227 | Rel-17 CR TS 28.541 Add YAML solution set for NG-RAN MOCN network sharing scenarios(S5-215534) | Huawei | 28.541 | 0622 | - | Rel-17 | B | MANS | agreed |
| S5-216244 | Rel-16 Fix stage3 definition for plmnId | Nokia, Nokia Shanghai Bell | 28.541 | 0623 | - | Rel-16 | F | METHOGY | agreed |
| S5-216245 | Fix stage3 definition for plmnId | Nokia, Nokia Shanghai Bell | 28.541 | 0624 | - | Rel-17 | A | METHOGY | agreed |
| S5-216246 | Rel-17 network slice isolation | Nokia, Nokia Shanghai Bell | 28.541 | 0625 | - | Rel-17 | B | EMA5SLA | not pursued |
| S5-216247 | network slice protection on N6 interface | Nokia, Nokia Shanghai Bell | 28.541 | 0626 | - | Rel-17 | B | EMA5SLA | revised |
| S5-216438 | network slice protection on N6 interface | Nokia, Nokia Shanghai Bell | 28.541 | 0626 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-216248 | network slice specific authentication | Nokia, Nokia Shanghai Bell | 28.541 | 0627 | - | Rel-17 | B | EMA5SLA | revised |
| S5-216439 | network slice specific authentication | Nokia, Nokia Shanghai Bell | 28.541 | 0627 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-216270 | Rel-17 Correction of attribute in ServiceProfile and CNSliceSubnetProfile | China Mobile | 28.541 | 0628 | - | Rel-17 | F | EMA5SLA | not pursued |
| S5-216271 | Rel-17 Enhance NRM of UDM function | China Mobile | 28.541 | 0629 | - | Rel-17 | B | adNRM | revised |
| S5-216538 | Rel-17 Enhance NRM of UDM function | China Mobile | 28.541 | 0629 | 1 | Rel-17 | B | adNRM | agreed |
| S5-216272 | TS28.541 CR Rel-17 Stage3 Update for UPF and PCF | China Mobile | 28.541 | 0630 | - | Rel-17 | F | adNRM | revised |
| S5-216539 | TS28.541 CR Rel-17 Stage3 Update for UPF and PCF | China Mobile | 28.541 | 0630 | 1 | Rel-17 | F | adNRM | agreed |
| S5-216314 | Rel-17 CR 28.541 Introduce missing attribute nrFreqRelationRef in table of attribute properties (stage2) | Nokia, Nokia Shanghai Bell | 28.541 | 0631 | - | Rel-17 | F | adNRM | revised |
| S5-216540 | Rel-17 CR 28.541 Introduce missing attribute nrFreqRelationRef in table of attribute properties (stage2) | Nokia, Nokia Shanghai Bell | 28.541 | 0631 | 1 | Rel-17 | F | adNRM | agreed |
| S5-216325 | Correct maximumDeviationHoTrigger | Ericsson France S.A.S | 28.541 | 0632 | - | Rel-16 | F | SON\_5G | not pursued |
| S5-216326 | Correct maximumDeviationHoTrigger | Ericsson France S.A.S | 28.541 | 0633 | - | Rel-17 | A | SON\_5G | not pursued |
| S5-216332 | Rel-17 CR 28.541 Correct attribute in IOC NRCellRelation (stage 3) | Nokia, Nokia Shanghai Bell | 28.541 | 0634 | - | Rel-17 | F | adNRM | revised |
| S5-216541 | Rel-17 CR 28.541 Correct attribute in IOC NRCellRelation (stage 3) | Nokia, Nokia Shanghai Bell | 28.541 | 0634 | 1 | Rel-17 | F | adNRM | agreed |
| S5-216361 | Rel-17 CR 28.541 Introduce bidirectional association between NRCellDU and Beam | Nokia, Nokia Shanghai Bell | 28.541 | 0635 | - | Rel-17 | B | adNRM | not pursued |
| S5-216364 | Enhance 5G Core managed NF Profile NRM fragment (Stage 2) | Nokia Germany, Orange, DT, Telefonica | 28.541 | 0636 | - | Rel-17 | B | adNRM | revised |
| S5-216542 | Enhance 5G Core managed NF Profile NRM fragment (Stage 2) | Nokia Germany, Orange, DT, Telefonica | 28.541 | 0636 | 1 | Rel-17 | B | adNRM | agreed |
| S5-216365 | 5GC NRM enhancements for ManagedNFProfile (Stage 3) | Nokia Germany | 28.541 | 0637 | - | Rel-17 | B | adNRM | revised |
| S5-216543 | 5GC NRM enhancements for ManagedNFProfile (Stage 3) | Nokia Germany | 28.541 | 0637 | 1 | Rel-17 | B | adNRM | agreed |
| S5-216389 | Correct spelling of Attribute properties | Ericsson India Private Limited | 28.541 | 0638 | - | Rel-17 | A | eNRM | agreed |
| S5-216390 | Add network slice job class to NRM | Ericsson LM | 28.541 | 0639 | - | Rel-17 | B | DUMMY | not pursued |
| S5-216402 | Correct spelling of Attribute properties | Ericsson India Private Limited | 28.541 | 0640 | - | Rel-16 | F | eNRM | agreed |
| S5-216109 | Rel-17 CR 28.552 Add EAS data volume measurements | Intel Corporation (UK) Ltd | 28.552 | 0332 | - | Rel-17 | B | ECM | revised |
| S5-216560 | Rel-17 CR 28.552 Add EAS data volume measurements | Intel Corporation (UK) Ltd | 28.552 | 0332 | 1 | Rel-17 | B | ECM | agreed |
| S5-216133 | Rel-17 CR 28.552 Add enhanced MIMO PRB Usage for cell | China Unicom | 28.552 | 0333 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-216546 | Rel-17 CR 28.552 Add enhanced MIMO PRB Usage for cell | China Unicom | 28.552 | 0333 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-216307 | Rel-16 CR 28.552 Correct definition of Distribution of UL UE throughput in gNB | Ericsson LM | 28.552 | 0334 | - | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-216310 | Rel-17 CR 28.552 Correct definition of Distribution of UL UE throughput in gNB | Ericsson LM | 28.552 | 0335 | - | Rel-17 | A | 5G\_SLICE\_ePA | agreed |
| S5-216321 | DAPS handover Performance Measurements | Ericsson France S.A.S | 28.552 | 0336 | - | Rel-17 | B | E\_HOO | agreed |
| S5-216327 | Correct wording and header | Ericsson France S.A.S | 28.552 | 0337 | - | Rel-17 | F | TEI17,5G\_SLICE\_ePA | endorsed |
| S5-216354 | CR Rel-17 28.552 Add measurements related to subscriber data management for UDM | Intel | 28.552 | 0338 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-216355 | CR Rel-17 28.552 Add measurements related to parameter provision for UDM | Intel | 28.552 | 0339 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-216362 | Add PM on Handover failures per beam related to MRO for intra-system mobility | Nokia, Nokia Shanghai Bell | 28.552 | 0340 | - | Rel-17 | B | eSON\_5G | revised |
| S5-216548 | Add PM on Handover failures per beam related to MRO for intra-system mobility | Nokia, Nokia Shanghai Bell | 28.552 | 0340 | 1 | Rel-17 | B | eSON\_5G | agreed |
| S5-216341 | Rel-17 CR TS 28.554 Add definition of 5GC energy efficiency (EE) KPI | China Telecom | 28.554 | 0088 | - | Rel-17 | B | EE5GPLUS | revised |
| S5-216469 | Rel-17 CR TS 28.554 Add definition of 5GC energy efficiency (EE) KPI | China Telecom | 28.554 | 0088 | 1 | Rel-17 | B | EE5GPLUS | agreed |
| S5-216287 | Rel-16 CR 28.622 Add missing definitions of common data types | Nokia, Nokia Shanghai Bell | 28.622 | 0107 | 2 | Rel-16 | F | eNRM | not pursued |
| S5-216343 | Rel-17 CR TS 28.622 Add condition information for threshold monitoring | Huawei | 28.622 | 0119 | 1 | Rel-17 | B | adNRM | not pursued |
| S5-216183 | Rel-17 CR 28.622 Add support for MnS Discovery | Huawei | 28.622 | 0122 | 1 | Rel-17 | B | 5GDMS | not pursued |
| S5-216209 | Rel-15 CR TS 28.622 Update the scope to be applicable for SBMA | Huawei | 28.622 | 0123 | - | Rel-15 | F | NETSLICE-5GNRM | agreed |
| S5-216210 | Rel-16 CR TS 28.622 Update the scope to be applicable for SBMA | Huawei | 28.622 | 0124 | - | Rel-16 | A | NETSLICE-5GNRM | agreed |
| S5-216347 | Rel-16 CR 28.622 Clarify behavior of NtfSubscriptionControl | Nokia, Nokia Shanghai Bell | 28.622 | 0125 | - | Rel-16 | F | eNRM | revised |
| S5-216440 | Rel-16 CR 28.622 Clarify behavior of NtfSubscriptionControl | Nokia, Nokia Shanghai Bell | 28.622 | 0125 | 1 | Rel-16 | F | eNRM | agreed |
| S5-216184 | Rel-17 CR 28.623 Add support for MnS Discovery | Huawei | 28.623 | 0140 | 1 | Rel-17 | B | 5GDMS | not pursued |
| S5-216037 | Add new common types for YANG | Ericsson Hungary Ltd | 28.623 | 0141 | - | Rel-17 | B | adNRM | agreed |
| S5-216106 | Rel-16 CR 28.623 Introduce missing IEs for HSS and UDM Trace Record | Nokia, Nokia Shanghai Bell | 28.623 | 0142 | - | Rel-16 | F | 5GMDT | agreed |
| S5-216381 | Rel-17 CR 28.623 Stage 3 YANG correction of \_3gpp-common-trace | Cisco Systems Belgium | 28.623 | 0143 | - | Rel-17 | F | adNRM | not pursued |
| S5-216092 | Update Inventory stage2 to support SBMA | Ericsson Hungary Ltd | 28.632 | 0005 | - | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-216398 | YANG Solution Set for Inventory Management | Ericsson Hungary Ltd | 28.633 | 0009 | 1 | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-216211 | Rel-15 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA | Huawei | 28.658 | 0058 | - | Rel-15 | F | NETSLICE-5GNRM | revised |
| S5-216580 | Rel-15 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA | Huawei | 28.658 | 0058 | 1 | Rel-15 | F | NETSLICE-5GNRM | not pursued |
| S5-216212 | Rel-16 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA | Huawei | 28.658 | 0059 | - | Rel-16 | A | NETSLICE-5GNRM | revised |
| S5-216581 | Rel-16 CR TS 28.658 Update EUTRAN NRM to be applicable for SBMA | Huawei | 28.658 | 0059 | 1 | Rel-16 | A | NETSLICE-5GNRM | not pursued |
| S5-216164 | Rel-17 CR TS 28.659 Provide YAML solution set for EUTRAN NRM | Huawei | 28.659 | 0039 | 1 | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-216213 | Rel-15 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA | Huawei | 28.662 | 0012 | - | Rel-15 | F | NETSLICE-5GNRM | revised |
| S5-216618 | Rel-15 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA | Huawei | 28.662 | 0012 | 1 | Rel-15 | F | NETSLICE-5GNRM | not pursued |
| S5-216214 | Rel-16 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA | Huawei | 28.662 | 0013 | - | Rel-16 | A | NETSLICE-5GNRM | revised |
| S5-216619 | Rel-16 CR TS 28.658 Update Generic RAN NRM to be applicable for SBMA | Huawei | 28.662 | 0013 | 1 | Rel-16 | A | NETSLICE-5GNRM | not pursued |
| S5-216165 | Rel-17 CR TS 28.663 Provide YAML solution set for RAN NRM | Huawei | 28.663 | 0021 | 1 | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-216392 | YANG Solution Set for Generic Radio Access Network NRM | Ericsson Hungary Ltd | 28.663 | 0022 | 1 | Rel-17 | B | NSA\_SBMA | not pursued |
| S5-216240 | Rel-17 CR TS 32.103 Update 5G specifications information | Huawei Technologies (Korea) | 32.103 | 0032 | - | Rel-17 | F | TEI17 | noted |
| S5-216225 | Rel-17 CR TS 32.130 Update RAN sharing scenarios to cover 5G RAN sharing | Huawei,China Unicom | 32.130 | 0015 | - | Rel-17 | B | MANS | agreed |
| S5-216226 | Rel-17 CR TS 32.130 Update requirments for NG-RAN MOCN network sharing scenarios | Huawei,China Unicom | 32.130 | 0016 | - | Rel-17 | B | MANS | agreed |
| S5-216288 | Rel-17 CR 28.160 Amend stage 2 NRM specification template | Nokia, Nokia Shanghai Bell | 32.160 | 0025 | 1 | Rel-17 | D | METHOGY, TEI17 | not pursued |
| S5-216302 | Introduction of 5G DDNMF in charging architecture for 5GS | CATT | 32.240 | 0429 | - | Rel-17 | B | DUMMY | revised |
| S5-216492 | Introduction of 5G DDNMF in charging architecture for 5GS | CATT | 32.240 | 0429 | 1 | Rel-17 | B | DUMMY | agreed |
| S5-216408 | Rel-16 CR 32.240 Correction on converged charging architecture | MATRIXX Software | 32.240 | 0430 | - | Rel-16 | F | TEI16 | not pursued |
| S5-216409 | Rel-17 CR 32.240 Correction on converged charging architecture | MATRIXX Software | 32.240 | 0431 | - | Rel-17 | A | TEI16 | not pursued |
| S5-216410 | Rel-16 CR 32.240 Correction on charging architecture for management domain | MATRIXX Software, Nokia | 32.240 | 0432 | - | Rel-16 | F | TEI16 | not pursued |
| S5-216411 | Rel-17 CR 32.240 Correction on charging architecture for management domain | MATRIXX Software, Nokia | 32.240 | 0433 | - | Rel-17 | A | TEI16 | not pursued |
| S5-216498 | Rel-17 CR 32.240 Addition of the 5G LAN service charging | Huawei | 32.240 | 0434 | - | Rel-17 | B | DUMMY | agreed |
| S5-216515 | Rel-17 CR 32.255 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.255 | 0338 | 2 | Rel-17 | F | 5G\_URLLC | agreed |
| S5-216070 | Rel-17 CR 32.255 Correcting unit count inactivity timer trigger | Ericsson LM | 32.255 | 0346 | - | Rel-17 | F | TEI17 | not pursued |
| S5-216071 | Rel-17 CR 32.255 Correcting SSC mode and triggers | Ericsson LM | 32.255 | 0347 | - | Rel-17 | F | TEI17 | agreed |
| S5-216072 | Rel-17 CR 32.255 Correcting home provided charging id at inter-PLMN V-SMF change | Ericsson LM | 32.255 | 0348 | - | Rel-17 | F | TEI17 | revised |
| S5-216534 | Rel-17 CR 32.255 Correcting home provided charging id and trigger at inter-PLMN V-SMF change | Ericsson LM | 32.255 | 0348 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-216145 | Rel-17 CR 32.255 Addition of the 5G LAN service charging in Annex | Huawei | 32.255 | 0349 | - | Rel-17 | B | DUMMY | not pursued |
| S5-216146 | Rel-17 CR 32.255 Addition of the 5G LAN service charging in charging principle | Huawei | 32.255 | 0350 | - | Rel-17 | B | DUMMY | revised |
| S5-216497 | Rel-17 CR 32.255 Addition of the 5G LAN service charging in charging principle | Huawei | 32.255 | 0350 | 1 | Rel-17 | B | DUMMY | agreed |
| S5-216147 | Rel-17 CR 32.255 Addition of the 5G LAN service charging requirements | Huawei | 32.255 | 0351 | - | Rel-17 | B | DUMMY | revised |
| S5-216493 | Rel-17 CR 32.255 Addition of the 5G LAN service charging requirements | Huawei | 32.255 | 0351 | 1 | Rel-17 | B | DUMMY | agreed |
| S5-216155 | Rel-16 CR 32.255 Correction on the User Location Time Description | Huawei | 32.255 | 0352 | - | Rel-16 | F | TEI16 | revised |
| S5-216567 | Rel-16 CR 32.255 Correction on the User Location Time Description | Huawei | 32.255 | 0352 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-216156 | Rel-17 CR 32.255 Correction on the User Location Time Description | Huawei | 32.255 | 0353 | - | Rel-17 | A | TEI16 | revised |
| S5-216568 | Rel-17 CR 32.255 Correction on the User Location Time Description | Huawei | 32.255 | 0353 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-216075 | Rel-17 CR 32.275 Correction of references for converged charging | Ericsson LM | 32.275 | 0083 | - | Rel-17 | F | 5GSIMSCH | revised |
| S5-216500 | Rel-17 CR 32.275 Correction of references for converged charging | Ericsson LM | 32.275 | 0083 | 1 | Rel-17 | F | 5GSIMSCH | agreed |
| S5-216303 | Introduction of 5G ProSe charging and high-level architecture | CATT | 32.277 | 0033 | - | Rel-17 | B | DUMMY | revised |
| S5-216505 | Introduction of 5G ProSe charging and high-level architecture | CATT | 32.277 | 0033 | 1 | Rel-17 | B | DUMMY | agreed |
| S5-216304 | Add converged charging architecture for ProSe | CATT | 32.277 | 0034 | - | Rel-17 | B | DUMMY | revised |
| S5-216536 | Add converged charging architecture for ProSe | CATT | 32.277 | 0034 | 1 | Rel-17 | B | DUMMY | agreed |
| S5-216073 | Rel-17 CR 32.281 Addition of IMS converged charging announcement | Ericsson LM | 32.281 | 0011 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-216499 | Rel-17 CR 32.281 Addition of IMS converged charging announcement | Ericsson LM | 32.281 | 0011 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-216149 | Rel-16 CR 32.290 Addition of the Threshold based re-authorization triggers | Huawei | 32.290 | 0171 | - | Rel-16 | F | TEI16 | revised |
| S5-216571 | Rel-16 CR 32.290 Addition of the Threshold based re-authorization triggers | Huawei | 32.290 | 0171 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-216150 | Rel-17 CR 32.290 Addition of the Threshold based re-authorization triggers | Huawei | 32.290 | 0172 | - | Rel-17 | A | TEI16 | revised |
| S5-216572 | Rel-17 CR 32.290 Addition of the Threshold based re-authorization triggers | Huawei | 32.290 | 0172 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-216151 | Rel-16 CR 32.290 Clarification on the immediate Report | Huawei | 32.290 | 0173 | - | Rel-16 | F | TEI16 | not pursued |
| S5-216152 | Rel-17 CR 32.290 Clarification on the immediate Report | Huawei | 32.290 | 0174 | - | Rel-17 | A | TEI16 | revised |
| S5-216573 | Rel-17 CR 32.290 Clarification on the immediate Report | Huawei | 32.290 | 0174 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-216153 | Rel-16 CR 32.290 Clarify the NF consumers | Huawei | 32.290 | 0175 | - | Rel-16 | F | TEI16 | agreed |
| S5-216154 | Rel-17 CR 32.290 Clarify the NF consumers | Huawei | 32.290 | 0176 | - | Rel-17 | A | TEI16 | agreed |
| S5-216158 | Rel-16 CR 32.291 Alignment of the charging data request and response | Huawei | 32.291 | 0352 | 2 | Rel-16 | F | TEI16 | revised |
| S5-216569 | Rel-16 CR 32.291 Alignment of the charging data request and response | Huawei | 32.291 | 0352 | 3 | Rel-16 | F | TEI16 | agreed |
| S5-216159 | Rel-17 CR 32.291 Alignment of the charging data request and response | Huawei | 32.291 | 0353 | 2 | Rel-17 | A | TEI16 | revised |
| S5-216570 | Rel-17 CR 32.291 Alignment of the charging data request and response | Huawei | 32.291 | 0353 | 3 | Rel-17 | A | TEI16 | agreed |
| S5-216160 | Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.291 | 0354 | 2 | Rel-17 | F | 5G\_URLLC | revised |
| S5-216574 | Rel-17 CR 32.291 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.291 | 0354 | 3 | Rel-17 | F | 5G\_URLLC | agreed |
| S5-216069 | Rel-17 CR 32.291 Correcting response code references | Ericsson LM | 32.291 | 0355 | - | Rel-17 | F | TEI17 | not pursued |
| S5-216074 | Rel-17 CR 32.291 Addition of IMS converged charging announcement | Ericsson LM | 32.291 | 0356 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-216502 | Rel-17 CR 32.291 Addition of IMS converged charging announcement | Ericsson LM | 32.291 | 0356 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-216076 | Rel-17 CR 32.291 Addition of MMTel converged charging information | Ericsson LM | 32.291 | 0357 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-216501 | Rel-17 CR 32.291 Addition of MMTel converged charging information | Ericsson LM | 32.291 | 0357 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-216535 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0358 | - | Rel-17 | F | TEI17 | agreed |
| S5-216524 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0359 | - | Rel-16 | F | TEI16 | agreed |
| S5-216161 | Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.298 | 0881 | 2 | Rel-17 | F | 5G\_URLLC | revised |
| S5-216575 | Rel-17 CR 32.298 Addition of QoS Monitoring to Assist URLLC Service | Huawei | 32.298 | 0881 | 3 | Rel-17 | F | 5G\_URLLC | agreed |
| S5-216100 | Rel-17 CR 32.421 Introduce missing interfaces of HSS | Nokia, Nokia Shanghai Bell | 32.421 | 0102 | - | Rel-17 | A | 5GMDT | agreed |
| S5-216102 | Rel-16 CR 32.421 Introduce missing interfaces of HSS | Nokia, Nokia Shanghai Bell | 32.421 | 0103 | - | Rel-16 | F | 5GMDT | agreed |
| S5-216135 | Add new requirements for configuration of beam level measurement | Ericsson Japan K-K | 32.421 | 0104 | - | Rel-17 | B | e\_5GMDT | agreed |
| S5-216101 | Rel-17 CR 32.422 Introduce missing interfaces of HSS | Nokia, Nokia Shanghai Bell | 32.422 | 0377 | - | Rel-17 | A | 5GMDT | agreed |
| S5-216103 | Rel-16 CR 32.422 Introduce missing interfaces of HSS | Nokia, Nokia Shanghai Bell | 32.422 | 0378 | - | Rel-16 | F | 5GMDT | agreed |
| S5-216136 | Add beam level configuration parameter in NR | Ericsson Japan K-K | 32.422 | 0379 | - | Rel-17 | B | e\_5GMDT | revised |
| S5-216537 | Add beam level configuration parameter in NR | Ericsson Japan K-K | 32.422 | 0379 | 1 | Rel-17 | B | e\_5GMDT | agreed |
| S5-216331 | Rel-16 CR 32.422 Update to include Trace Failure admin messages | Ericsson LM | 32.422 | 0380 | - | Rel-16 | F | 5GMDT | revised |
| S5-216441 | Rel-16 CR 32.422 Update to include Trace Failure admin messages | Ericsson LM | 32.422 | 0380 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-216333 | Rel-17 CR 32.422 Update to include trace failure admin messages | Ericsson LM | 32.422 | 0381 | - | Rel-17 | A | 5GMDT | revised |
| S5-216442 | Rel-17 CR 32.422 Update to include trace failure admin messages | Ericsson LM | 32.422 | 0381 | 1 | Rel-17 | A | 5GMDT | agreed |
| S5-216337 | Rel-16 CR 32.422 Correction of IP Address of Trace Collection Entity | Nokia, Nokia Shanghai Bell | 32.422 | 0382 | - | Rel-16 | F | 5GMDT | agreed |
| S5-216339 | Rel-17 CR 32.422 Correction of IP Address of Trace Collection Entity | Nokia, Nokia Shanghai Bell | 32.422 | 0383 | - | Rel-17 | A | 5GMDT | agreed |
| S5-216104 | Rel-16 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record | Nokia, Nokia Shanghai Bell | 32.423 | 0127 | - | Rel-16 | F | 5GMDT | revised |
| S5-216443 | Rel-16 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record | Nokia, Nokia Shanghai Bell | 32.423 | 0127 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-216105 | Rel-17 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record | Nokia, Nokia Shanghai Bell | 32.423 | 0128 | - | Rel-17 | A | 5GMDT | revised |
| S5-216444 | Rel-17 CR 32.423 Introduce missing IEs for HSS and UDM Trace Record | Nokia, Nokia Shanghai Bell | 32.423 | 0128 | 1 | Rel-17 | A | 5GMDT | agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S5-216013 |  | Resubmitted LS cc SA5 on Prioritized Vehicle to Cloud Technical Solutions | Automotive Edge Computing Consortium (AECC) | replied to | S5-216412 |
| S5-216014 |  | Resubmitted LS on Guidelines on Port Allocation for New 3GPP Interfaces | C4-214848 | postponed | (none) |
| S5-216015 |  | Resubmitted LS on slicing management aspects in relation to SEAL | S6-210709 | postponed | (none) |
| S5-216016 |  | Resubmitted LS on the mapping between service types and slice at application | R3-212904 | replied to | S5-216414 |
| S5-216017 |  | Resubmitted Reply LS on Inclusive language for ANR | R2-2108869 | replied to | S5-216197 |
| S5-216018 |  | Resubmitted Reply LS on Inclusive Language for ANR | R3-214289 | noted | (none) |
| S5-216019 |  | Resubmitted Reply LS on QoE configuration and reporting related issues | R3-214471 | replied to | S5-216415 |
| S5-216020 |  | Resubmitted LS on RAN3 agreements for NR QoE | R3-214477 | postponed | (none) |
| S5-216021 |  | Resubmitted LS on the Beam measurement reports for the MDT measurements | R3-214519 | replied to | S5-216628 |
| S5-216022 |  | Resubmitted LS on Network slice information from OAM | S2-2106634 | replied to | S5-216416 |
| S5-216023 |  | Resubmitted LS on TS 28.404/TS 28.405 Clarification | S4-211234 | postponed | (none) |
| S5-216024 |  | Resubmitted LS Reply on QoE report handling at QoE pause | S4-211290 | replied to | S5-216417 |
| S5-216025 |  | Resubmitted Reply LS on Inclusive language review | SP-211140 | noted | (none) |
| S5-216026 |  | LS ccSA5 on updating the readme.md file in 3GPP Forge | C4-215475 | replied to | S5-216413 |
| S5-216027 |  | LSccSA5 on updating the readme.md file in 3GPP Forge | C3-215408 | noted | (none) |
| S5-216028 |  | LS reply on UPF reporting for redundant transmission on transport layer | S2-2107862 | noted | (none) |
| S5-216029 |  | Reply LS on UPF reporting for redundant transmission on transport layer | C4-215505 | noted | (none) |
| S5-216030 |  | Reply LS on PSCELL ID availability in SGW CDR | ETSI TC LI | noted | (none) |
| S5-216031 |  | LIAISON STATEMENT TO 3GPP TSG SA AND SA6 (forwarded to SA5) - APT REPORT ON EMERGING CRITICAL APPLICATIONS & USE CASES OF IMT FOR INDUSTRIAL, SOCIETAL AND ENTERPRISE USERS | APT Wireless Group | postponed | (none) |
| S5-216032 |  | LSout to 3GPP SA5 about MANO performance measurements accuracy to estimate VNF energy consumption | ETSI ISG NFV | replied to | S5-216419 |
| S5-216033 |  | LS on introducing NR RedCap Indication | S2-2107853 | postponed | (none) |
| S5-216034 |  | LS Reply ccSA5 on the offline charging only indication | S2-2107863 | noted | (none) |
| S5-216035 |  | LS on MINT functionality for Disaster Roaming | S2-2108172 | postponed | (none) |
| S5-216036 |  | LS on network slice management service consumption | S6-212460 | postponed | (none) |
| S5-216418 |  | Liaison Multi-SDO Autonomous Networks (AN) Formal Liaison:  22nd November 2021 Meeting Invitation, Agenda, Bridge, and  Meeting Schedule Ref AN-SDO2021-13 | TMF | postponed | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-216197 | Reply to: Reply LS on Inclusive language for ANR | RAN2 | RAN3, RAN, SA | S5-216017 |
| S5-216412 | Reply to: LS cc SA5 on Prioritized Vehicle to Cloud Technical Solutions | Automotive Edge Computing Consortium (AECC) | 3GPP TSG SA，3GPP SA WG1, 3GPP SA WG2, 3GPP SA WG6 | S5-216013 |
| S5-216413 | Reply to: LS ccSA5 on updating the readme.md file in 3GPP Forge | CT3, CT4 | SA, CT, CT1, SA4 | S5-216026 |
| S5-216414 | Reply to: LS on the mapping between service types and slice at application | RAN3 | SA4, RAN2, SA2, CT1 | S5-216016 |
| S5-216415 | Reply to: Reply LS on QoE configuration and reporting related issues | RAN3 | SA4,RAN2 | S5-216019 |
| S5-216416 | Reply to: LS on Network slice information from OAM | SA2 | - | S5-216022 |
| S5-216417 | Reply to: LS Reply on QoE report handling at QoE pause | SA4 | RAN2,SA3 | S5-216024 |
| S5-216419 | Reply to: LSout to 3GPP SA5 about MANO performance measurements accuracy to estimate VNF energy consumption | ETSI ISG NFV | SA | S5-216032 |
| S5-216423 | LS to RAN3 on model deployment and update from OAM to NG-RAN | RAN3 | SA2 | S5-215029 |
| S5-216628 | Reply to: LS on the Beam measurement reports for the MDT measurements | RAN3 | RAN2 | S5-216021 |

## Annex D: List of agreed/approved new and revised Work Items

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S5-216424 | New SID on new aspects of EE for 5G networks Phase 2 | Orange | SID new |
| S5-216426 | New SID on deterministic communication service assurance | Huawei, China Mobile, CATT, China Unicom | SID new |
| S5-216427 | New Rel-18 SID 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, AsiaInfo | SID new |
| S5-216428 | New SID on Network and Service Operations for Energy Verticals | EUTC, Samsung, BMWi, Vodafone, Orange, Novamint | SID new |
| S5-216429 | New SID on evaluation of autonomous network levels | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Lenovo, Motorola Mobility, Intel | SID new |
| S5-216430 | New SID on enhancement of autonomous network levels | China Mobile, Huawei, AsiaInfo, China Unicom, China Telecom, ZTE, CATT, Lenovo, Motorola Mobility, Intel | SID new |
| S5-216503 | New SID on Charging Aspects for Non-Public Networks | China Mobile Com. Corporation | SID new |
| S5-216577 | New Rel-18 WID on Enhanced intent driven management services for mobile network | Huawei, China Telecom, CATT, AsiaInfo, China Unicom, China Mobile | SID new |
| S5-216067 | Revised SID New aspects of EE for 5G networks | Orange | SID revised |
| S5-216595 | SID revised was SP-210136 SID on enhancement of service based management architecture | Huawei Technologies (Korea) | SID revised |
| S5-216425 | New WID on enhancements of EE for 5G phase 2 | Orange | WID new |
| S5-216518 | New Work Item on charging enhancement for 5GS CIoT | Huawei | WID new |
| S5-216549 | New WID on network slicing provisioning rules | Ericsson Inc. | WID new |
| S5-216068 | Revised WID Enhancements on EE for 5G networks | Orange | WID revised |
| S5-216348 | Revised WID Enhancements of Management Data Analytics Service | Intel, NEC | WID revised |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S5-216420 | 28.817 | 1.1.0 | Latest draft TR 28.817 |
| S5-216484 | 32.257 | 0.2.0 | Draft TS 32.257 |
| S5-216485 | 28.815 | 1.4.0 | Draft TR 28.815 |
| S5-216486 | 28.816 | 1.2.0 | Draft TR 28.816 |
| S5-216487 | 32.846 | 1.3.0 | Draft TR 32.846 |
| S5-216488 | 28.822 | 0.6.0 | Draft TR 28.822 |
| S5-216489 | 32.847 | 0.6.0 | Draft TR 32.847 |
| S5-216490 | 28.826 | 0.2.0 | Draft TR 28.826 |
| S5-216491 | 28.827 | 0.3.0 | Draft TR 28.827 |
| S5-216591 | 28.312 | 0.7.0 | Latest draft TS 28.312 |
| S5-216598 | 28.557 | 1.2.0 | Latest draft TS 28.557 |
| S5-216599 | 28.100 | 0.8.0 | Latest draft TS 28.100 |
| S5-216600 | 28.556 | 0.5.0 | Latest draft TS 28.556 |
| S5-216601 | 28.104 | 0.3.0 | Latest draft TS 28.104 |
| S5-216602 | 28.314 | 0.4.0 | Latest draft TS 28.314 |
| S5-216603 | 28.315 | 0.3.0 | Latest draft TS 28.315 |
| S5-216604 | 28.316 | 0.2.0 | Latest draft TS 28.316 |
| S5-216605 | 28.538 | 0.4.0 | Latest draft TS 28.538 |
| S5-216606 | 28.813 | 1.3.0 | Latest draft TR 28.813 |
| S5-216607 | 28.811 | 0.8.0 | Latest draft TR 28.811 |
| S5-216608 | 28.824 | 0.4.0 | Latest draft TR 28.824 |
| S5-216609 | 28.819 | 0.4.0 | Latest draft TR 28.819 |
| S5-216610 | 28.925 | 0.4.0 | Latest draft TR 28.925 |
| S5-216611 | 28.825 | 0.3.0 | Latest draft TR 28.825 |
| S5-216629 | 28.312 | 0.7.0 | Latest draft TS 28.312 |

## Annex F: List of participants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented |
| Dr. | Al-kanani | Hassan | NEC Europe Ltd | NEC Europe Ltd |
| Mrs. | Allwang | Christiane | Nokia Germany | Nokia Germany |
| Mr. | Andrianov | Anatoly | Nokia Germany | Nokia |
| Mr. | audebert | vincent | EDF Recherche et Développement | EDF Recherche et Développement |
| Mrs. | Ayani | Zhulia | Ericsson LM | Oy LM Ericsson AB |
| Mr. | Berisot | Thierry | NOVAMINT | NOVAMINT |
| Mr. | Bommasandra Sadasiva | Venkatesh | Dish Network | Dish Network |
| Ing. | Bouchmal | Faiza | Casa Systems Inc. | Casa Systems Inc. |
| Mr. | Braam | Sjors | TNO | KPN N.V. |
| Mr. | Brown | Michael | Microsoft Europe SARL | Microsoft Europe SARL |
| 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 Com. Corporation |
| Mr. | Chen | Dong | Beijing Xiaomi Mobile Software | Xiaomi Communications |
| Miss | CHEN | SHAN | Huawei Tech.(UK) Co.. Ltd | HiSilicon Technologies Co. Ltd |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | Intel Corporation (UK) Ltd |
| Mr. | Dempo | Hiroshi | NEC Corporation | NEC Corporation |
| Mr. | Elmdahl | Per | Ericsson France S.A.S | Ericsson France S.A.S |
| Dr. | Featherstone | Walter | Samsung R&D Institute UK | Samsung R&D Institute UK |
| 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 Electronics France SA |
| Mr. | Glozman | Borislav | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Mr. | Görmer | Gerald | MATRIXX Software | MATRIXX Software |
| 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 Electronics Nordic AB |
| 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 |
| Miss | Huang | Xietian | HUAWEI Technologies Japan K.K. | HUAWEI Technologies Japan K.K. |
| Mr. | Ju | Manchang | ZTE Corporation | ZTE Corporation |
| Mr. | Kaushik | Ashutosh | Samsung R&D Institute UK | Samsung Electronics Czech |
| Mr. | Klotz | Michael | Deutsche Telekom AG | Deutsche Telekom AG |
| Dr. | Kollar | Martin | Nokia Solutions & Networks (I) | Nokia Solutions & Networks (I) |
| Dr. | Lagha | Naceur | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | Ericsson Hungary Ltd |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Nanjing Ericsson Panda Com Ltd |
| Mr. | Li | Shitao | Huawei Tech.(UK) Co.. Ltd | HUAWEI TECH. GmbH |
| Miss | Li | Yexing | Huawei Tech.(UK) Co.. Ltd | Huawei Tech.(UK) Co.. Ltd |
| Mr. | Lindblad | Jan | Cisco Systems Belgium | Cisco Systems Belgium |
| 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 TECHNOLOGIES Co. Ltd. |
| Mr. | Lyu | Feibi | China Unicom | China Unicom |
| Mr. | Malashnyak | Volodymyr | Ericsson LM | Ericsson Telecomunicazioni SpA |
| Mr. | Mayer | Georg | HuaWei Technologies Co., Ltd | HUAWEI TECHNOLOGIES Co. Ltd. |
| Mr. | Mo | Zhiwei | China Telecommunications | China Telecommunications |
| Dr. | Mwanje | Stephen | Nokia | Nokia Germany |
| Mr. | Pal | Raj | U.S. Department of Defense | U.S. Department of Defense |
| Dr. | Panaitopol | Dorin | THALES | THALES |
| Mr. | Patry | Frank | Omnispace | Omnispace |
| Mr. | Petersen | Robert | Ericsson LM | Ericsson Inc. |
| Miss | Ping | Jing | Nokia Germany | Nokia Germany |
| Mr. | PINTO | BARUCH | Allot Ltd | Allot Ltd |
| Mr. | Potter | Benjamin | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Mr. | Pozo | Sergio | VODAFONE Group Plc | VODAFONE Group Plc |
| Mr. | Rodrigues | Joao | Nokia | Nokia UK |
| Mrs. | Rosa Bolzek | Cintia | Ericsson LM | Ericsson India Private Limited |
| 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 |
| Miss | Song | Xiaojia | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Sun | Mingrui | China Unicom | China Unicom |
| Ms. | Sun | Qi | China Mobile Research Inst. | CCSA |
| Mr. | Sun | Sean | Nokia Shanghai Bell | Nokia Shanghai Bell |
| Miss | Sun | Xiaowen | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mrs. | Tang | Chunying | AsiaInfo Technologies Inc | AsiaInfo Technologies Inc |
| Mr. | Tangudu | Narendranath Durga | Samsung R&D Institute India | Samsung Electronics GmbH |
| Mr. | tanikawa | kazunori | NICT | TTC |
| Mr. | Tokel | Baris | ASELSAN | ASELSAN |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson España S.A. |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM |
| Miss | tunali | aysegul | ASELSAN | ASELSAN |
| Mr. | Vaishnavi | Ishan | Lenovo (Beijing) Ltd | Lenovo Information Technology |
| Ms. | Wang | Jingyun | China Unicom | China Unicom |
| Ms. | Wang | Junfeng | Ericsson LM | Oy LM Ericsson AB |
| 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 Inc. |
| Miss | Wu | Liping | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | XING | XIAOCHENG | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies France |
| Mr. | Xiqing | Liu | China Unicom | China Unicom |
| Dr. | Xu | Lexi | China Unicom | China Unicom |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies France |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel China Ltd. |
| Mrs. | Yeltekin | Yasemin | ASELSAN | ASELSAN |
| Mr. | Yildirim | Ali | ASELSAN | ASELSAN |
| 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 |
| Dr. | Zhao | Guliang | INSPUR | INSPUR |
| Mr. | Zhao | Song | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Ms. | zhao | zhenqiao | China Unicom | China Unicom |
| Mr. | Zhu | Weihong | ZTE Corporation | ZTE Corporation |
| Ms. | Zou | Lan | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies (Korea) |

## Annex G: List of future meetings

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| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#141e | 17/01/2022 | 26/01/2022 |  | Online |  |
| SA5#142e | 04/04/2022 | 12/04/2022 |  | Online |  |