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

**Meeting Report  
for  
TSG SA WG5  
meeting: 137e**

**Electronic meeting, Online, 10/05/2021 to 19/05/2021**

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## 1 Opening of the meeting

## 2 Approval of the agenda

**S5-213000 Agenda**

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

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

**NOTE: A summary of the discussions for every tdoc is captured by the SA5 leadership in the following documents:**

**- S5-213007 OAM Chair notes and conclusions**

**- S5-213582 CH Agenda and Time Plan.doc**

## 3 IPR and legal declaration

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

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

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

to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Information Statement and the Licensing declaration forms.

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

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-213001 Report from last SA5 meeting**

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

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

### 4.2 Last SA meeting report

### 4.3 Inter-organizational reports

## 5 Cross-SWG issues

### 5.1 Administrative issues at SA5 level

**S5-213002 e-meeting process**

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

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

**S5-213003 Post e-meeting email approval status**

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

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

**S5-213010 SA5 working procedures**

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

**Decision:** The document was **revised to S5-213690**.

**S5-213690 SA5 working procedures**

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

(Replaces S5-213010)

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

**S5-213011 Process for management of draft TS-TRs**

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

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

**S5-213374 Refine Forge process in SA5 Working Procedures**

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

**Abstract:**

SA5 Working Procedures

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

### 5.2 Technical issues at SA5 level

### 5.3 Liaison statements at SA5 level

**S5-213024 LS ccSA5 on 5G capabilities exposure for factories of the future - revised**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: 5G Alliance for Connected Industries and Automation (5G-ACIA)*

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

**S5-213448 LS to SA on 5G capabilities exposure for factories of the future - revised**

*Type: LS out For: approval  
 to SA  
 Source: Huawei*

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

**S5-213026 LS ccSA5 on Requirement on Support of VxLAN Tunnelling**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-211827*

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

**S5-213028 LS on Multi-SDO Autonomous Networks (AN) Formal Liaison:**

**19th April 2021 Meeting Invitation, agenda, Bridge, and**

**Meeting Schedule**

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

**Decision:** The document was **replied to in S5-213444**.

**S5-213444 Reply to: LS on Multi-SDO Autonomous Networks (AN) Formal Liaison:**

**19th April 2021 Meeting Invitation, agenda, Bridge, and**

**Meeting Schedule**

*Type: LS out For: approval  
 to TM Forum, cc SA  
 Source: current meeting*

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

**S5-213029 LS from GSMA Operator Platform Group on edge computing definition and integration.**

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

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

**S5-213443 Reply LS on Operator Platform Group on edge computing definition and integration.**

*Type: LS out For: approval  
 to SA, cc SA2,SA6  
 Source: Samsung*

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

**S5-213032 LS Response on Network Slice PA Charging per maximum utilized bandwidth**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2101347*

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

**S5-213036 LS on EDGEAPP**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-210630*

**Decision:** The document was **replied to in S5-213445**.

**S5-213445 Reply to: LS on EDGEAPP**

*Type: LS out For: approval  
 to SA6, cc SA,SA2  
 Source: Samsung*

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

**S5-213037 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**.

**S5-213446 Reply to: LS on slicing management aspects in relation to SEAL**

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

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

**S5-213044 LS ccSA5 on Requirement on Support of VxLAN Tunnelling**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2103236*

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

**S5-213047 Reply LS ccSA5 on Edge computing definition and integration**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-210976*

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

**S5-213051 LS ccSA5 on Clarification on the API design principles**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C3-212554*

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

**S5-213178 Ls to SA5 on 3GPP Edge Computing coordination**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-210978*

**Decision:** The document was **replied to in S5-213449**.

**S5-213271 LS reply to SA on GSMA 3GPP Edge Computing coordination**

*Type: LS out For: (not specified)  
 to SA, SA6 and SA2  
 Source: Samsung Electronics France SA*

**Decision:** The document was **revised to S5-213449**.

**S5-213449 LS reply to SA on GSMA 3GPP Edge Computing coordination**

*Type: LS out For: -  
 to SA, SA6 and SA2  
 Source: Samsung Electronics France SA*

(Replaces S5-213271)

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

**S5-213294 LS reply to GSMA ccSA5 Operator Platform Group on edge computing definition and integration**

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

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

**S5-213295 LS on NG.116 support of service categories**

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

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

**S5-213411 LS to ETSI NFV TST informing on start of study on CI-CD**

*Type: LS out For: (not specified)  
 to ETSI NFV TST  
 Source: Lenovo, Motorola Mobility, CMCC*

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

**S5-213442 LS on UPF support for multiple network slices**

*Type: LS in For: Approval  
 Original outgoing LS: -, to -, cc -  
 Source: C4-212560*

**Decision:** The document was **replied to in S5-213447**.

**S5-213447 Reply to: LS on UPF support for multiple network slices**

*Type: LS out For: approval  
 to CT4, cc SA2  
 Source: ZTE*

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

### 5.4 SA5 meeting calendar

**S5-213013 SA5 meeting calendar**

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

**Decision:** The document was **revised to S5-213452**.

**S5-213452 SA5 meeting calendar**

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

(Replaces S5-213013)

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

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-213004 OAM&P action list**

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

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

**S5-213005 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

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

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

**S5-213006 OAM Exec Report**

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

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

**S5-213007 OAM Chair notes and conclusions**

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

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

**S5-213012 List of DraftCR input and output**

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

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

**S5-213022 Resubmitted LS/r on work progress on M.resm-AI "Requirements for energy saving management of 5G RAN system with AI" (reply to 3GPP SA5-LS1225)**

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

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

**S5-213023 Resubmitted LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-204647)**

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

**Decision:** The document was **replied to in S5-213454**.

**S5-213454 Reply to: Resubmitted LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-204647)**

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

(Replaces S5-213441)

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

**S5-213025 LS on Information on the port number allocation solutions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-211806*

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

**S5-213027 Ls on Broadband Forum Response to 3GPP/SA5 Liaison S5-193350 (LIAISE-293)**

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

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

**S5-213030 Reply LS on QoE Measurement Collection for LTE**

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

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

**S5-213034 Reply LS ccSA5 on propagation of user consent related information during Xn inter-PLMN handover**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S3-211330*

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

**S5-213035 Reply LS on the user consent for trace reporting**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S3-211338*

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

**S5-213048 Reply LS to SA5 on network sharing with multiple SSBs in a carrier**

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

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

**S5-213680 Reply to: Reply LS to SA5 on network sharing with multiple SSBs in a carrier**

*Type: LS out For: approval  
 to RAN2  
 Source: ZTE*

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

**S5-213098 Response LS to SA5 on handover terminology**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2104358*

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

**S5-213179 Reply LS on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions**

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

**Decision:** The document was **revised to S5-213499**.

**S5-213267 Collection of useful endorsed document and external communication documents**

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

(Replaces S5-212063)

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

**S5-213268 Rel-17 CR TS 32.160 Update on template for requirement specifications**

*Type: CR For: (not specified)  
 32.160 v17.1.0 CR-0013 rev 3 Cat: C (Rel-17)  
  
 Source: Huawei*

(Replaces S5-212329)

**Decision:** The document was **revised to S5-213455**.

**S5-213455 Rel-17 CR TS 32.160 Update on template for requirement specifications**

*Type: CR For: -  
 32.160 v17.1.0 CR-0013 rev 4 Cat: C (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213268)

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

**S5-213292 Discussion on support of SBA capable IMS in 5G NRM**

*Type: discussion For: Endorsement  
 Source: Orange*

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

**S5-213293 Discussion on modelling inter-operator network slice**

*Type: discussion For: Endorsement  
 Source: Orange*

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

**S5-213379 LS on progress of study items for security on management aspec**

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

**Decision:** The document was **revised to S5-213456**.

**S5-213456 LS on progress of study items for security on management aspec**

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

(Replaces S5-213379)

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

**S5-213414 Changing requirement methodology in SA5**

*Type: discussion For: (not specified)  
 Source: Ericsson*

**Decision:** The document was **revised to S5-213453**.

**S5-213453 Changing requirement methodology in SA5**

*Type: discussion For: -  
 Source: Ericsson*

(Replaces S5-213414)

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

**S5-213441 Draft LS reply to ITU-T LS on methodology harmonization and REST-based network management framework**

*Type: LS out For: -  
 to ITU-T SG2  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213454**.

### 6.2 New OAM&P Work Item proposals

**S5-213174 New SID on Management Aspects of 5G Network Sharing**

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

**Decision:** The document was **revised to S5-213457**.

**S5-213457 New SID on Management Aspects of 5G Network Sharing**

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

(Replaces S5-213174)

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

**S5-213269 New WID on Edge Computing Management**

*Type: WID new For: Agreement  
 Source: Samsung Electronics France SA*

**Decision:** The document was **revised to S5-213458**.

**S5-213458 New WID on Edge Computing Management**

*Type: WID new For: Agreement  
 Source: Samsung Electronics France SA*

(Replaces S5-213269)

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

**S5-213364 Rel-17 DP Specification methodology and TS restructuring for better readability**

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

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

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

**S5-213045 Rel-17 CR 28.541 Correction of ServiceProfile attributes**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0430 rev 4 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212352)

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

**S5-213053 Yang Corrections of implementation errors**

*Type: CR For: Approval  
 28.541 v16.8.0 CR-0477 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-213055 Correct collection periods applied for MDT activation and handover in NR**

*Type: CR For: Approval  
 32.422 v16.5.0 CR-0366 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213498**.

**S5-213498 Rel-16 CR 32.422 Correction, alignment and cleanup of Trace/MDT related parameters**

*Type: CR For: Approval  
 32.422 v16.5.0 CR-0366 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-213055)

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

**S5-213056 Correct collection periods applied for MDT activation and handover in NR**

*Type: CR For: Approval  
 32.422 v17.2.0 CR-0367 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-213064 Rel-16 CR 28.531 Remove subscribe and unsubscribe operations**

*Type: CR For: Agreement  
 28.531 v16.9.0 CR-0062 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-213096 Rel-16 CR TS 28.310 Correction to definition for domain centralized SON**

*Type: CR For: (not specified)  
 28.310 v16.4.0 CR-0012 Cat: F (Rel-16)  
  
 Source: Nanjing Ericsson Panda Com Ltd*

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

**S5-213097 Rel-17 CR TS 28.310 Correction to definition for domain centralized SON**

*Type: CR For: (not specified)  
 28.310 v17.0.0 CR-0013 Cat: A (Rel-17)  
  
 Source: Nanjing Ericsson Panda Com Ltd*

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

**S5-213099 Rel-16 CR 28.532 Clarifying A B and C**

*Type: CR For: Agreement  
 28.532 v16.7.1 CR-0172 Cat: F (Rel-16)  
  
 Source: Samsung Electronics France SA*

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

**S5-213100 Rel-16 CR 32.160 Align different (abbreviated) names for support qualifier to “S”**

*Type: CR For: Approval  
 32.160 v16.4.0 CR-0017 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213101 Rel-16 CR 28.622 Align different (abbreviated) names for support qualifier to “S”**

*Type: CR For: Approval  
 32.160 v16.4.0 CR-0018 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213102 Rel-16 CR 28.532 Align different (abbreviated) names for support qualifier to “S”**

*Type: CR For: Approval  
 32.160 v16.4.0 CR-0019 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213104 Rel-16 CR 32.160 Change format for NRM stage 3 definition rules from JSON to YAML**

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

**Decision:** The document was **revised to S5-213480**.

**S5-213480 Rel-16 CR 32.160 Change format for NRM stage 3 definition rules from JSON to YAML**

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

(Replaces S5-213104)

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

**S5-213105 Rel-16 CR 28.532 Correct definitions for performance assurance (stage 2 and 3)**

*Type: CR For: Approval  
 28.532 v16.7.1 CR-0173 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213681**.

**S5-213681 Rel-16 CR 28.532 Correct definitions for performance assurance (stage 2 and 3)**

*Type: CR For: Approval  
 28.532 v16.7.1 CR-0173 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213105)

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

**S5-213106 Rel-16 CR 28.532 Correct definitions for file management (stage 2, REST SS, OpenAPI definition)**

*Type: CR For: Approval  
 28.532 v16.7.1 CR-0174 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213463**.

**S5-213463 Rel-16 CR 28.532 Correct definitions for file management (stage 2, REST SS, OpenAPI definition)**

*Type: CR For: Approval  
 28.532 v16.7.1 CR-0174 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213106)

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

**S5-213107 Rel-16 CR 28.622 Addition, adaptation and cleanup of Trace/MDT related parameters (stage2)**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0100 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213471**.

**S5-213471 Rel-16 CR 28.622 Addition, adaptation and cleanup of Trace/MDT related parameters (stage2)**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0100 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213107)

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

**S5-213108 Rel-16 CR 32.158 Correct definitions of resource creation**

*Type: CR For: Approval  
 32.158 v16.2.0 CR-0017 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213479**.

**S5-213479 Rel-16 CR 32.158 Correct definitions of resource creation**

*Type: CR For: Approval  
 32.158 v16.2.0 CR-0017 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213108)

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

**S5-213109 Rel-16 CR 32.158 Correct definitions of resource update**

*Type: CR For: Approval  
 32.158 v16.2.0 CR-0018 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213110 Rel-16 CR 32.158 Correct definition of the REST SS specification template**

*Type: CR For: Approval  
 32.158 v16.2.0 CR-0019 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213123 Rel-15 CR 28.531 CR Clarify misleading information in network slicing use cases**

*Type: CR For: Agreement  
 28.531 v15.7.0 CR-0063 Cat: F (Rel-15)  
  
 Source: Huawei,Orange*

**Decision:** The document was **revised to S5-213461**.

**S5-213461 Rel-15 CR 28.531 CR Clarify misleading information in network slicing use cases**

*Type: CR For: Agreement  
 28.531 v15.7.0 CR-0063 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei,Orange*

(Replaces S5-213123)

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

**S5-213124 Rel-16 CR 28.531 CR Clarify misleading information in network slicing use cases**

*Type: CR For: Agreement  
 28.531 v16.9.0 CR-0064 Cat: F (Rel-16)  
  
 Source: Huawei,Orange*

**Decision:** The document was **revised to S5-213462**.

**S5-213462 Rel-16 CR 28.531 CR Clarify misleading information in network slicing use cases**

*Type: CR For: Agreement  
 28.531 v16.9.0 CR-0064 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,Orange*

(Replaces S5-213124)

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

**S5-213149 Rel-16 CR 28.622 Align different (abbreviated) names for support qualifier to “S”**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0102 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213156 Rel-16 CR 28.532 Align different (abbreviated) names for support qualifier to “S”**

*Type: CR For: Approval  
 28.532 v16.7.1 CR-0175 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213157 Rel-16 CR TS 28.541 Correct the description for GNBDUFunction and EP\_NgC**

*Type: CR For: Agreement  
 28.541 v16.8.0 CR-0489 Cat: F (Rel-16)  
  
 Source: Huawei,China Mobile*

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

**S5-213158 Rel-17 CR TS 28.541 Correct the description for GNBDUFunction and EP\_NgC**

*Type: CR For: Agreement  
 28.541 v17.2.1 CR-0490 Cat: A (Rel-17)  
  
 Source: Huawei,China Mobile*

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

**S5-213159 Rel-16 CR TS 28.532 Update clause 11.2.2 Managed information for fault supervision management service**

*Type: CR For: Agreement  
 28.532 v16.7.1 CR-0176 Cat: F (Rel-16)  
  
 Source: Huawei,China Mobile*

**Decision:** The document was **revised to S5-213682**.

**S5-213682 Rel-16 CR TS 28.532 Update clause 11.2.2 Managed information for fault supervision management service**

*Type: CR For: Agreement  
 28.532 v16.7.1 CR-0176 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,China Mobile*

(Replaces S5-213159)

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

**S5-213187 Rel-16 CR 28.623 Addition, adaptation and cleanup of Trace/MDT related parameters (stage 3)**

*Type: CR For: Approval  
 28.623 v16.7.0 CR-0127 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213472**.

**S5-213472 Rel-16 CR 28.623 Addition, adaptation and cleanup of Trace/MDT related parameters (stage 3)**

*Type: CR For: Approval  
 28.623 v16.7.0 CR-0127 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213187)

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

**S5-213198 Rel-16 CR 28.622 Replace legacy IRPAgent with MnsAgent (stage 2)**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0096 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-211533)

**Decision:** The document was **revised to S5-213684**.

**S5-213684 Rel-16 CR 28.622 Replace legacy IRPAgent with MnsAgent (stage 2)**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0096 rev 3 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213198)

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

**S5-213201 Rel-16 CR 28.623 Replace legacy IRPAgent with MnsAgent (OpenAPI definition)**

*Type: CR For: Approval  
 28.623 v16.7.0 CR-0119 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-211251)

**Decision:** The document was **revised to S5-213685**.

**S5-213685 Rel-16 CR 28.623 Replace legacy IRPAgent with MnsAgent (OpenAPI definition)**

*Type: CR For: Approval  
 28.623 v16.7.0 CR-0119 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213201)

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

**S5-213203 Rel-16 CR 28.622 Clarify a subscription is required for notifyFileReady**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0103 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213475**.

**S5-213475 Rel-16 CR 28.622 Clarify a subscription is required for notifyFileReady**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0103 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213203)

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

**S5-213204 Rel-16 CR 28.622 Clarify definition of PerfMetricJob**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0104 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213476**.

**S5-213476 Rel-16 CR 28.622 Clarify definition of PerfMetricJob**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0104 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213204)

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

**S5-213205 Rel-16 CR 28.622 Clarify the notification filter applies to all parameters of a notification**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0105 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213206 Rel-16 CR 28.622 Correct common notifications table**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0106 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213207 Rel-16 CR 28.622 Add missing definitions of common data types**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0107 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213208 Rel-16 CR 28.623 Align Trace/MDT related parameters to TS 32.422 (OpenAPI definition)**

*Type: CR For: Approval  
 28.623 v16.7.0 CR-0128 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213473**.

**S5-213473 Rel-16 CR 28.623 Align Trace/MDT related parameters to TS 32.422 (OpenAPI definition)**

*Type: CR For: Approval  
 28.623 v16.7.0 CR-0128 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213208)

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

**S5-213224 CR TS 32.421 Update inclusive language**

*Type: CR For: Agreement  
 32.421 v17.1.0 CR-0100 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213481**.

**S5-213481 CR TS 32.421 Update inclusive language**

*Type: CR For: Agreement  
 32.421 v17.1.0 CR-0100 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213224)

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

**S5-213233 Rel-16 CR 28.623 Clean up regarding common data types (OpenAPI definition)**

*Type: CR For: Approval  
 28.623 v16.7.0 CR-0129 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213478**.

**S5-213478 Rel-16 CR 28.623 Clean up regarding common data types (OpenAPI definition)**

*Type: CR For: Approval  
 28.623 v16.7.0 CR-0129 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213233)

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

**S5-213303 Rel-16 CR 28.622 Clarify model for managed management functions**

*Type: CR For: Approval  
 28.622 v16.7.1 CR-0108 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213317 Rel-16 CR TS28.310 Update on energy saving management services**

*Type: CR For: Approval  
 28.310 v16.4.0 CR-0014 Cat: F (Rel-16)  
  
 Source: Huawei Telecommunication India*

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

**S5-213318 Rel-17 CR TS28.310 Update on energy saving management services**

*Type: CR For: Approval  
 28.310 v17.0.0 CR-0015 Cat: A (Rel-17)  
  
 Source: Huawei Telecommunication India*

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

**S5-213319 Add missing Alarm Requirements and Use Cases**

*Type: CR For: Approval  
 28.545 v16.1.0 CR-0010 rev 2 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212353)

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

**S5-213320 Rel-16 CR TS 28.313 Update of PCI configuration for C-SON**

*Type: CR For: Approval  
 28.313 v16.1.0 CR-0022 Cat: F (Rel-16)  
  
 Source: Huawei Telecommunication India*

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

**S5-213322 Rel-17 CR TS 28.313 Update of PCI configuration for C-SON**

*Type: CR For: Approval  
 28.313 v17.0.0 CR-0023 Cat: A (Rel-17)  
  
 Source: Huawei Telecommunication India*

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

**S5-213375 Rel16 CR 28.541 Update OpenAPI to adapt change in 28.623**

*Type: CR For: Agreement  
 28.541 v16.8.0 CR-0496 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213376 Rel16 CR 28.541 Add note for RRMPolicy**

*Type: CR For: Agreement  
 28.541 v16.8.0 CR-0497 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213377 Rel17 CR 28.541 Add note for RRMPolicy**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0498 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213465**.

**S5-213465 Rel17 CR 28.541 Add note for RRMPolicy**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0498 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213377)

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

**S5-213378 Rel17 CR 28.541 Inclusive language review fixing**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0499 Cat: D (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213470**.

**S5-213470 Rel17 CR 28.541 Inclusive language review fixing**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0499 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213378)

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

**S5-213380 Rel-16 CR 28.541 fix editorial issue of network slice NRM**

*Type: CR For: Agreement  
 28.541 v16.8.0 CR-0500 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise*

**Decision:** The document was **revised to S5-213466**.

**S5-213466 Rel-16 CR 28.541 fix editorial issue of network slice NRM**

*Type: CR For: Agreement  
 28.541 v16.8.0 CR-0500 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise*

(Replaces S5-213380)

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

**S5-213381 Rel-17 CR 28.541 fix editorial issue of network slice NRM**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0501 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise*

**Decision:** The document was **revised to S5-213467**.

**S5-213467 Rel-17 CR 28.541 fix editorial issue of network slice NRM**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0501 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise*

(Replaces S5-213381)

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

**S5-213382 Rel-16 CR 28.541 fix inheritance relation of network slice NRM**

*Type: CR For: Agreement  
 28.541 v16.8.0 CR-0502 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise*

**Decision:** The document was **revised to S5-213468**.

**S5-213468 Rel-16 CR 28.541 fix inheritance relation of network slice NRM**

*Type: CR For: Agreement  
 28.541 v16.8.0 CR-0502 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise*

(Replaces S5-213382)

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

**S5-213383 Rel-17 CR 28.541 fix inheritance relation of network slice NRM**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0503 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise*

**Decision:** The document was **revised to S5-213469**.

**S5-213469 Rel-17 CR 28.541 fix inheritance relation of network slice NRM**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0503 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise*

(Replaces S5-213383)

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

**S5-213384 Rel-16 CR 28.541 fix cardinality on the NetworkSlice to NetworkSliceSubnet relationship**

*Type: CR For: Agreement  
 28.541 v16.8.0 CR-0504 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise*

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

**S5-213385 Rel-17 CR 28.541 fix cardinality on the NetworkSlice to NetworkSliceSubnet relationship**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0505 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise*

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

**S5-213386 Rel-16 CR 28.552 Fix definition of measurement Average delay DL on F1-U**

*Type: CR For: Agreement  
 28.552 v16.9.0 CR-0304 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213387 Rel-17 CR 28.552 Fix definition of measurement Average delay DL on F1-U**

*Type: CR For: Agreement  
 28.552 v17.2.1 CR-0305 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213388 Rel-16 CR 28.623 Correct definition of additionalInformation (YANG)**

*Type: CR For: Approval  
 28.623 v16.7.0 CR-0130 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213416 Correct inconsistencies in definitions around network slice management**

*Type: CR For: Approval  
 28.541 v16.8.0 CR-0509 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Abstract:**

Inconsistencies in Specification

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

**S5-213430 Remove description of communication service lifecycle**

*Type: CR For: Approval  
 28.535 v16.3.0 CR-0042 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-213431 Update description of management control loops**

*Type: CR For: Approval  
 28.535 v16.3.0 CR-0043 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom AG*

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

**S5-213432 Update management control loops with lifecycle description**

*Type: CR For: Approval  
 28.535 v16.3.0 CR-0044 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-213464**.

**S5-213464 Update management control loops with lifecycle description**

*Type: CR For: Approval  
 28.535 v16.3.0 CR-0044 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-213432)

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

**S5-213436 Remove description of communication service lifecycle**

*Type: CR For: Approval  
 28.535 v17.1.0 CR-0047 Cat: F (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-213437 Update description of management control loops**

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

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

**S5-213438 Update management control loops with lifecycle description**

*Type: CR For: Approval  
 28.535 v17.1.0 CR-0049 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-213524**.

**S5-213524 Update management control loops with lifecycle description**

*Type: CR For: Approval  
 28.535 v17.1.0 CR-0049 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-213438)

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

**S5-213439 Rel-16 28.541 Correction to definition for domain centralized SON**

*Type: CR For: (not specified)  
 28.541 v16.8.0 CR-0513 Cat: F (Rel-16)  
  
 Source: Nanjing Ericsson Panda Com Ltd*

**Decision:** The document was **revised to S5-213459**.

**S5-213459 Rel-16 28.541 Correction to definition for domain centralized SON**

*Type: CR For: -  
 28.541 v16.8.0 CR-0513 rev 1 Cat: F (Rel-16)  
  
 Source: Nanjing Ericsson Panda Com Ltd,Samsung*

(Replaces S5-213439)

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

**S5-213440 Rel-17 28.541 Correction to definition for domain centralized SON**

*Type: CR For: (not specified)  
 28.541 v17.2.1 CR-0514 Cat: A (Rel-17)  
  
 Source: Nanjing Ericsson Panda Com Ltd*

**Decision:** The document was **revised to S5-213460**.

**S5-213460 Rel-17 28.541 Correction to definition for domain centralized SON**

*Type: CR For: -  
 28.541 v17.2.1 CR-0514 rev 1 Cat: A (Rel-17)  
  
 Source: Nanjing Ericsson Panda Com Ltd*

(Replaces S5-213440)

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

**S5-213683 LS to RAN2&RAN3 on Inclusive language for ANR**

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

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

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

#### 6.4.1 Management of non-public networks

**S5-213081 pCR 28.557 Modify different management modes of NPN**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-213484**.

**S5-213484 pCR 28.557 Modify different management modes of NPN**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: Huawei*

(Replaces S5-213081)

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

**S5-213082 pCR 28.557 requirements of management capability exposure for different management modes of NPN**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-213485**.

**S5-213485 pCR 28.557 requirements of management capability exposure for different management modes of NPN**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: Huawei*

(Replaces S5-213082)

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

**S5-213083 pCR 28.557 Add Generic requirements for management of NPN**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-213486**.

**S5-213486 pCR 28.557 Add Generic requirements for management of NPN**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: Huawei*

(Replaces S5-213083)

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

**S5-213084 pCR 28.557 Add requirements for management of NPN-SC**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: Huawei*

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

**S5-213085 pCR 28.557 Add requirements to support management of CAG**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-213482**.

**S5-213482 pCR 28.557 Add requirements to support management of CAG**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: Huawei*

(Replaces S5-213085)

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

**S5-213086 pCR 28.557 Rapporteur clean-up proposal**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: Huawei*

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

**S5-213087 pCR 28.557 Update Annex A**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: Huawei*

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

**S5-213422 pCR 28.557 Reorganization of clause 4**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: TELEFONICA S.A.*

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

**S5-213424 pCR 28.557 Add NG-RAN related management requirements**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: TELEFONICA S.A.*

**Decision:** The document was **revised to S5-213483**.

**S5-213483 pCR 28.557 Add NG-RAN related management requirements**

*Type: pCR For: Approval  
 28.557 v0.4.1  
 Source: TELEFONICA S.A.*

(Replaces S5-213424)

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

**S5-213578 Latest draft TS 28.557**

*Type: draft TS For: Approval  
 28.557 v0.5.0  
 Source: Huawei*

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

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

**S5-213049 Rel-17 CR 28.541 Delete the PerfReq in SliceProfile**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0475 Cat: C (Rel-17)  
  
 Source: China Mobile, Huawei*

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

**S5-213050 Rel-17 CR 28.541 OpenAPI changes of deleting the PerfReq in SliceProfile**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0476 Cat: C (Rel-17)  
  
 Source: China Mobile, Huawei*

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

**S5-213088 Living document of review of GSMA GST SA5#137e**

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

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

**S5-213089 Rel-17 CR 28.541 Update table L.2.1 to introduce PM info**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0478 Cat: C (Rel-17)  
  
 Source: Huawei, China Mobile*

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

**S5-213090 Rel-17 CR 28.541 Add positioning support in RANSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0479 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-213488**.

**S5-213488 Rel-17 CR 28.541 Add positioning support in RANSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0479 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

(Replaces S5-213090)

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

**S5-213091 Rel-17 CR 28.541 OpenAPI of adding positioning support in RANSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0480 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-213489**.

**S5-213489 Rel-17 CR 28.541 OpenAPI of adding positioning support in RANSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0480 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

(Replaces S5-213091)

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

**S5-213092 Rel-17 CR 28.541 Add synchronicity support in RANSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0481 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-213490**.

**S5-213490 Rel-17 CR 28.541 Add synchronicity support in RANSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0481 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

(Replaces S5-213092)

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

**S5-213093 Rel-17 CR 28.541 OpenAPI of adding synchronicity support in RANSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0482 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-213491**.

**S5-213491 Rel-17 CR 28.541 OpenAPI of adding synchronicity support in RANSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0482 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei, China Mobile*

(Replaces S5-213093)

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

**S5-213094 Rel-17 CR 28.541 Update throughput NRM stage 2**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0483 Cat: F (Rel-17)  
  
 Source: Huawei, China Mobile*

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

**S5-213492 Rel-17 CR 28.541 Update throughput NRM stage 2**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0483 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, China Mobile*

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

**S5-213095 Rel-17 CR 28.541 OpenAPI changes of updating throughput NRM stage 2**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0484 Cat: F (Rel-17)  
  
 Source: Huawei, China Mobile*

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

**S5-213493 Rel-17 CR 28.541 OpenAPI changes of updating throughput NRM stage 2**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0484 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, China Mobile*

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

**S5-213117 perfReq mapping to domain specific attributes**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0485 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213487**.

**S5-213487 perfReq mapping to domain specific attributes**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0485 rev 1 Cat: C (Rel-17)  
  
 Source: Ericsson LM,China mobile,Huawei*

(Replaces S5-213117)

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

**S5-213135 Rel-17 CR 28.541 Add reliability to CN slice profile**

*Type: CR For: Agreement  
 28.541 v17.2.1 CR-0486 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213686**.

**S5-213686 Rel-17 CR 28.541 Add reliability to CN slice profile**

*Type: CR For: Agreement  
 28.541 v17.2.1 CR-0486 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213135)

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

**S5-213228 TS 28.540 Update the requirements for for management of network slice and network slice subnet**

*Type: CR For: (not specified)  
 28.540 v17.0.0 CR-0014 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-213494**.

**S5-213494 TS 28.540 Update the requirements for for management of network slice and network slice subnet**

*Type: CR For: -  
 28.540 v17.0.0 CR-0014 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-213228)

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

**S5-213230 Add specific slice profile for TN domain**

*Type: CR For: (not specified)  
 28.541 v17.2.1 CR-0492 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

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

**S5-213231 Add the SLA management related requirements and procedure**

*Type: CR For: (not specified)  
 28.531 v16.9.0 CR-0066 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-213495**.

**S5-213495 Add the SLA management related requirements and procedure**

*Type: CR For: -  
 28.531 v16.9.0 CR-0066 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-213231)

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

**S5-213232 Revised WID on EMA5SLA**

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

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

**S5-213372 CR 28.541 enhance 5GC NRM to support netework slice admission control.**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0495 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213497**.

**S5-213497 CR 28.541 enhance 5GC NRM to support netework slice admission control.**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0495 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213372)

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

**S5-213412 Correction on mapping GST attributes**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0508 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Abstract:**

Information on mapping of GST parameters is not up to date

**Decision:** The document was **revised to S5-213496**.

**S5-213496 Correction on mapping GST attributes**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0508 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM, Huawei, China Mobile*

(Replaces S5-213412)

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

**S5-213421 Usage of slice input parameters**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0511 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Abstract:**

Annex is updated with latest information

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

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

**S5-213021 Resubmitted LS to SA5 on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-211334*

**Decision:** The document was **replied to in S5-213499**.

**S5-213499 Reply to: Resubmitted LS to SA5 on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions**

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

(Replaces S5-213179)

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

**S5-213054 Add new adminstrative messages in GPB trace record format**

*Type: CR For: Approval  
 32.423 v17.1.1 CR-0123 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213501**.

**S5-213501 Add new adminstrative messages in GPB trace record format**

*Type: CR For: Approval  
 32.423 v17.1.1 CR-0123 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-213054)

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

**S5-213057 Add new requirement for measurement pollution indication in NR**

*Type: CR For: Approval  
 32.421 v17.1.0 CR-0099 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-213116 Rel-17 CR 32.422 Correction, alignment and cleanup of Trace/MDT related parameters**

*Type: CR For: Approval  
 32.422 v17.2.0 CR-0368 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213474**.

**S5-213474 Rel-17 CR 32.422 Correction, alignment and cleanup of Trace/MDT related parameters**

*Type: CR For: Approval  
 32.422 v17.2.0 CR-0368 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell,Ericsson*

(Replaces S5-213116)

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

**S5-213177 Add MDT polluted measurement indication for trace record in NR**

*Type: CR For: Approval  
 32.423 v17.1.1 CR-0124 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213500**.

**S5-213500 Add MDT polluted measurement indication for trace record in NR**

*Type: CR For: Approval  
 32.423 v17.1.1 CR-0124 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-213177)

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

**S5-213222 Handling of user contest for location reporting in SON/MDT**

*Type: discussion For: Decision  
 Source: Apple GmbH*

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

#### 6.4.4 Additional NRM features

**S5-213040 Rel-17 SBMA versions for 28.622 and 28.623**

*Type: discussion For: Approval  
 28.622 v..  
 Source: Ericsson Hungary Ltd*

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

**S5-213041 Repairing-Splitting 28.541**

*Type: discussion For: Approval  
 28.541 v..  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-213507**.

**S5-213507 Repairing-Splitting 28.541**

*Type: discussion For: Approval  
 28.541 v..  
 Source: Ericsson Hungary Ltd*

(Replaces S5-213041)

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

**S5-213136 Discussion on enhansement of NRM definition for the NWDAF**

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

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

**S5-213137 Rel-17 CR TS 28.541 Enhansement of NRM definition for the NWDAF**

*Type: CR For: Agreement  
 28.541 v17.2.1 CR-0487 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213502**.

**S5-213502 Rel-17 CR TS 28.541 Enhansement of NRM definition for the NWDAF**

*Type: CR For: Agreement  
 28.541 v17.2.1 CR-0487 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213137)

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

**S5-213138 Rel-17 CR TS 28.541 OpenAPI Enhansement of NRM definition for the NWDAF**

*Type: CR For: Agreement  
 28.541 v17.2.1 CR-0488 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213503**.

**S5-213503 Rel-17 CR TS 28.541 OpenAPI Enhansement of NRM definition for the NWDAF**

*Type: CR For: Agreement  
 28.541 v17.2.1 CR-0488 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213138)

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

**S5-213160 Rel-17 CR TS 28.541 improve the readability of EP\_Transport**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0491 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213504**.

**S5-213504 Rel-17 CR TS 28.541 improve the readability of EP\_Transport**

*Type: CR For: Agreement  
 28.541 v17.2.0 CR-0491 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213160)

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

**S5-213161 Rel-17 CR TS 28.531Add reference to EP\_transport for transport network requirements**

*Type: CR For: Agreement  
 28.531 v16.9.0 CR-0065 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213505**.

**S5-213505 Rel-17 CR TS 28.531Add reference to EP\_transport for transport network requirements**

*Type: CR For: Agreement  
 28.531 v16.9.0 CR-0065 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213161)

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

**S5-213373 TD enhance 5GC NRM to support plug and play of 5GC NF**

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

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

**S5-213399 Correction of 5QI definitions in NRM**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0506 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213508**.

**S5-213508 Correction of 5QI definitions in NRM**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0506 rev 1 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-213399)

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

**S5-213418 Correct inconsistencies in definitions around network slice management**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0510 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Abstract:**

Mirrored correction of REL-16 CR

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

**S5-213423 Enhance 5G Core AMF NRM fragment**

*Type: CR For: (not specified)  
 28.541 v17.2.1 CR-0512 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

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

#### 6.4.5 Enhancement of QoE Measurement Collection

**S5-213330 Adding Signalling Based Activation for LTE**

*Type: draftCR For: Approval  
 28.405 v16.0.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213509**.

**S5-213509 Adding Signalling Based Activation for LTE**

*Type: draftCR For: Approval  
 28.405 v16.0.0  
 Source: Ericsson LM*

(Replaces S5-213330)

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

**S5-213660 DraftCR for eQoE - TS 28.405**

*Type: draftCR For: Approval  
 28.405 v16.0.0  
 Source: Ericsson*

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

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

**S5-213052 Definition of the Total DRB Accessibility KPI**

*Type: CR For: Approval  
 28.554 v17.2.0 CR-0078 Cat: B (Rel-17)  
  
 Source: Nokia Solutions & Networks (I)*

**Decision:** The document was **revised to S5-213510**.

**S5-213510 Definition of the Total DRB Accessibility KPI**

*Type: CR For: Approval  
 28.554 v17.2.0 CR-0078 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Solutions & Networks (I)*

(Replaces S5-213052)

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

**S5-213111 New measurement for number of normally released calls (QCI1 E-RAB) initiated by MME in RLF detected conditions**

*Type: CR For: Approval  
 32.425 v17.0.0 CR-0201 Cat: B (Rel-17)  
  
 Source: Nokia Solutions & Networks (I)*

**Decision:** The document was **revised to S5-213511**.

**S5-213511 New measurement for number of normally released calls (QCI1 E-RAB) initiated by MME in RLF detected conditions**

*Type: CR For: Approval  
 32.425 v17.0.0 CR-0201 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Solutions & Networks (I)*

(Replaces S5-213111)

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

**S5-213134 DP tenant representation in 3GPP management system**

*Type: discussion For: Discussion  
 Source: Huawei*

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

**S5-213185 CR Rel-17 28.552 Add measurements related to data record creation for UDR**

*Type: CR For: Agreement  
 28.552 v17.2.1 CR-0299 Cat: B (Rel-17)  
  
 Source: Intel*

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

**S5-213186 CR Rel-17 28.552 Add measurements related to data record deletion for UDR**

*Type: CR For: Agreement  
 28.552 v17.2.1 CR-0300 Cat: B (Rel-17)  
  
 Source: Intel*

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

**S5-213188 CR Rel-17 28.552 Add measurements related to data record update for UDR**

*Type: CR For: Agreement  
 28.552 v17.2.1 CR-0301 Cat: B (Rel-17)  
  
 Source: Intel*

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

**S5-213189 CR Rel-17 28.552 Add measurements related to data modification notification subscription for UDR**

*Type: CR For: Agreement  
 28.552 v17.2.1 CR-0302 Cat: B (Rel-17)  
  
 Source: Intel*

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

**S5-213270 New measurements for the number of attempted and successfully resumed DRBs**

*Type: CR For: Approval  
 28.552 v17.2.1 CR-0303 Cat: B (Rel-17)  
  
 Source: Nokia Solutions & Networks (I)*

**Decision:** The document was **revised to S5-213677**.

**S5-213677 New measurements for the number of attempted and successfully resumed DRBs**

*Type: CR For: Approval  
 28.552 v17.2.1 CR-0303 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Solutions & Networks (I)*

(Replaces S5-213270)

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

**S5-213316 Rel-17 CR 28.554 Update the Accessibility KPI to cover RRC Resume**

*Type: CR For: Approval  
 28.554 v17.2.0 CR-0075 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212068)

**Decision:** The document was **revised to S5-213678**.

**S5-213678 Rel-17 CR 28.554 Update the Accessibility KPI to cover RRC Resume**

*Type: CR For: Approval  
 28.554 v17.2.0 CR-0075 rev 2 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-213316)

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

**S5-213396 Add Exception Reporting Support to PM XML File Schema**

*Type: CR For: Approval  
 28.532 v16.7.1 CR-0177 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-213397 Add Exception Reporting Support to PM XML File Schema**

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

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

**S5-213398 Add Exception Reporting Support to PM File Format Definition**

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

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

**S5-213420 Add PMs on inter-gNB successful and failed handover execution per beam pair**

*Type: CR For: Decision  
 28.552 v17.2.1 CR-0306 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-213679**.

**S5-213679 Add PMs on inter-gNB successful and failed handover execution per beam pair**

*Type: CR For: Decision  
 28.552 v17.2.1 CR-0306 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia Germany*

(Replaces S5-213420)

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

#### 6.4.7 Management of the enhanced tenant concept

#### 6.4.8 Management data collection control and discovery

**S5-213199 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: other For: Approval  
 28.622 v..  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213210 Rel-17 Input to DraftCR 28.537 Add requirements for producing and reporting management data**

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

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

**S5-213211 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*

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

**S5-213361 Rel-17 Input to DraftCR 28.622 Add solution for storing management data**

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

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

**S5-213362 Rel-17 Input to DraftCR 28.622 Add solution for discovering management data**

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

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

**S5-213363 Rel-17 Input to DraftCR 28.622 Add solution for managing external management data**

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

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

**S5-213673 DraftCR for MADCOL TS 28.537**

*Type: draftCR For: Approval  
 28.537 v17.0.0  
 Source: Nokia*

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

#### 6.4.9 Autonomous network levels

**S5-213162 pCR TS 28.100 Add requirements for generic autonomous network level for network optimization**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo*

**Decision:** The document was **revised to S5-213514**.

**S5-213514 pCR TS 28.100 Add requirements for generic autonomous network level for network optimization**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo*

(Replaces S5-213162)

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

**S5-213163 pCR TS 28.100 Update several existing classification of autonomous network level**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo*

**Decision:** The document was **revised to S5-213515**.

**S5-213515 pCR TS 28.100 Update several existing classification of autonomous network level**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo*

(Replaces S5-213163)

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

**S5-213164 pCR TS 28.100 Add generic autonomous network level for RAN NE deployment**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo*

**Decision:** The document was **revised to S5-213516**.

**S5-213516 pCR TS 28.100 Add generic autonomous network level for RAN NE deployment**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo*

(Replaces S5-213164)

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

**S5-213190 pCR TS 28.100 Add description for Table 5-1 and update corresponding figures**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo*

**Decision:** The document was **revised to S5-213517**.

**S5-213517 pCR TS 28.100 Add description for Table 5-1 and update corresponding figures**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo*

(Replaces S5-213190)

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

**S5-213191 pCR TS 28.100 Add figure in clause 4.3.4 Workflow**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo*

**Decision:** The document was **revised to S5-213518**.

**S5-213518 pCR TS 28.100 Add figure in clause 4.3.4 Workflow**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo*

(Replaces S5-213191)

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

**S5-213192 pCR TS 28.100 Add generic autonomous network level for fault management**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo*

**Decision:** The document was **revised to S5-213519**.

**S5-213519 pCR TS 28.100 Add generic autonomous network level for fault management**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo*

(Replaces S5-213192)

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

**S5-213234 pCR TS 28.100 Add a note about the relationship between the categorization of the tasks and standardized feature**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: AsiaInfo, CMCC, Huawei*

**Decision:** The document was **revised to S5-213520**.

**S5-213520 pCR TS 28.100 Add a note about the relationship between the categorization of the tasks and standardized feature**

*Type: pCR For: Approval  
 28.100 v0.4.0  
 Source: AsiaInfo, CMCC, Huawei*

(Replaces S5-213234)

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

**S5-213579 Latest draft TS 28.100**

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

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

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

**S5-213165 pCR TS 28.312 Update intent information model**

*Type: pCR For: Approval  
 28.312 v0.4.0  
 Source: Huawei,China Telecom, China Mobile,AsiaInfo*

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

**S5-213166 pCR TS 28.312 Add concrete IntentExpectation for network optimization**

*Type: pCR For: Approval  
 28.312 v0.4.0  
 Source: Huawei,China Telecom, China Mobile*

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

**S5-213167 pCR TS 28.312 Add concrete IntentExpectation for radio network deployment and radio service deployment**

*Type: pCR For: Approval  
 28.312 v0.4.0  
 Source: Huawei,China Telecom, China Mobile*

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

**S5-213168 pCR TS 28.312 Update Clause 4.2 and Clause 4.4**

*Type: pCR For: Approval  
 28.312 v0.4.0  
 Source: Huawei,China Mobile,AsiaInfo*

**Decision:** The document was **revised to S5-213477**.

**S5-213477 pCR TS 28.312 Update Clause 4.2 and Clause 4.4**

*Type: pCR For: Approval  
 28.312 v0.4.0  
 Source: Huawei,China Mobile,AsiaInfo*

(Replaces S5-213168)

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

**S5-213169 pCR TS 28.312 Add state and procedure for intent management**

*Type: pCR For: Approval  
 28.312 v0.4.0  
 Source: Huawei,China Telecom, China Mobile*

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

**S5-213235 pCR TS 28.312 Add procedure of subsequence after the intent MOI created**

*Type: pCR For: Approval  
 28.312 v0.4.0  
 Source: AsiaInfo, Huawei*

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

**S5-213288 pCR TS 28.312 IntentExpectation Datatype definition**

*Type: pCR For: Agreement  
 28.312 v0.4.0  
 Source: Samsung Electronics France SA*

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

**S5-213404 LS to TM Forum on Intent Management**

*Type: LS out For: Information  
 to TM Forum  
 Source: Ericsson LM*

**Abstract:**

Number of question regarding how best SA5 can collaborate with TM Forum defining Intent Management model, interface, procedure, etc. with focus on 3GPP-Domain needs

**Decision:** The document was **revised to S5-213522**.

**S5-213522 LS to TM Forum on Intent Management**

*Type: LS out For: Information  
 to TM Forum  
 Source: Ericsson LM*

(Replaces S5-213404)

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

**S5-213409 Discussion on Intent Management**

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

**Abstract:**

This document proposes to align and collaborate with TM Forum while working on IDMS\_MN work item

**Decision:** The document was **revised to S5-213521**.

**S5-213521 Discussion on Intent Management**

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

(Replaces S5-213409)

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

**S5-213575 Latest draft TS 28.312**

*Type: draft TS For: Approval  
 28.312 v0.5.0  
 Source: Huawei*

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

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

**S5-213014 Presentation of Spec 28.555 to SA for Approval**

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

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

**S5-213015 pCR 28.556 add introduction**

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

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

**S5-213016 pCR 28.555 add editorial improvements**

*Type: pCR For: (not specified)  
 28.555 v1.2.0  
 Source: China Mobile Com. Corporation*

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

**S5-213017 pCR 28.556 add policy management procedures**

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

**Decision:** The document was **revised to S5-213523**.

**S5-213523 pCR 28.556 add policy management procedures**

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

(Replaces S5-213017)

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

**S5-213018 pCR 28.556 add management operation for Policy**

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

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

**S5-213019 pCR 28.556 add information model definition for Policy**

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

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

**S5-213580 Latest draft TS 28.555**

*Type: draft TS For: Approval  
 28.555 v1.3.0  
 Source: China Mobile*

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

**S5-213581 Latest draft TS 28.556**

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

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

#### 6.4.12 Enhanced Closed loop SLS Assurance

**S5-213103 Rel-17 CR 38.536 Moving Assurance Observed and Predicted**

*Type: CR For: Agreement  
 28.536 v16.3.0 CR-0028 Cat: C (Rel-17)  
  
 Source: Samsung Electronics France SA*

**Decision:** The document was **revised to S5-213525**.

**S5-213525 Rel-17 CR 38.536 Moving Assurance Observed and Predicted**

*Type: CR For: Agreement  
 28.536 v16.3.0 CR-0028 rev 1 Cat: C (Rel-17)  
  
 Source: Samsung Electronics France SA*

(Replaces S5-213103)

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

**S5-213170 Rel-17 CR TS 28.536 Improve the readabililty of closed control loop NRM fragment**

*Type: CR For: Agreement  
 28.536 v16.3.0 CR-0029 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213526**.

**S5-213526 Rel-17 CR TS 28.536 Improve the readabililty of closed control loop NRM fragment**

*Type: CR For: Agreement  
 28.536 v16.3.0 CR-0029 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213170)

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

**S5-213287 Rel-17 CR 28.535 Targeted ACCL**

*Type: CR For: Agreement  
 28.535 v17.1.0 CR-0040 Cat: B (Rel-17)  
  
 Source: Samsung Electronics France SA*

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

**S5-213674 Rel-17 draftCR TS 28.535 Updated eCOSLA DraftCR**

*Type: draftCR For: Agreement  
 28.535 v17.1.0  
 Source: Samsung Electronics France SA*

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

**S5-213328 DP on assurance policy for closed control loop**

*Type: discussion For: Approval  
 Source: Huawei Technologies Japan K.K.*

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

**S5-213329 DP on assurance report for closed control loop**

*Type: discussion For: Approval  
 Source: Huawei Technologies Japan K.K.*

**Decision:** The document was **revised to S5-213527**.

**S5-213527 DP on assurance report for closed control loop**

*Type: discussion For: Approval  
 Source: Huawei Technologies Japan K.K.*

(Replaces S5-213329)

**Decision:** The document was **revised to S5-213687**.

**S5-213687 DP on assurance report for closed control loop**

*Type: discussion For: Approval  
 Source: Huawei Technologies Japan K.K.*

(Replaces S5-213527)

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

**S5-213331 Rel-17 Input to draftCR TS 28.536 Add assurance policy for closed control loop**

*Type: draftCR For: Agreement  
 28.536 v16.3.0  
 Source: Huawei Technologies Japan K.K.*

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

**S5-213332 Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop**

*Type: draftCR For: Agreement  
 28.536 v16.3.0  
 Source: Huawei Technologies Japan K.K.*

**Decision:** The document was **revised to S5-213528**.

**S5-213528 Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop**

*Type: draftCR For: Agreement  
 28.536 v16.3.0  
 Source: Huawei Technologies Japan K.K.*

(Replaces S5-213332)

**Decision:** The document was **revised to S5-213688**.

**S5-213688 Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop**

*Type: other For: Agreement  
 28.536 v16.3.0  
 Source: Huawei Technologies Japan K.K.*

(Replaces S5-213528)

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

**S5-213333 Rel-17 Input to draftCR S5-212397 TS 28.535 Update coordination betwee closed control loops**

*Type: draftCR For: Agreement  
 28.535 v17.1.0  
 Source: Huawei Technologies Japan K.K.*

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

**S5-213334 Rel-17 CR TS 28.535 Add use case of incident resolution for SLS assurance**

*Type: CR For: Agreement  
 28.530 v17.1.0 CR-0045 Cat: B (Rel-17)  
  
 Source: Huawei Technologies Japan K.K.*

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

**S5-213410 R17 CR TS28.535 Use case for feasibility check of an ACCL goal**

*Type: CR For: Approval  
 28.535 v17.1.0 CR-0041 Cat: B (Rel-17)  
  
 Source: Lenovo, Motorola Mobility*

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

**S5-213426 Discussion paper on eCosla**

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

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

**S5-213434 Clarify intelligence in clause 4**

*Type: CR For: Approval  
 28.535 v17.1.0 CR-0045 Cat: A (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-213435 Re-introduce business level use cases**

*Type: CR For: Approval  
 28.535 v17.1.0 CR-0046 Cat: B (Rel-17)  
  
 Source: Ericsson LM, Huawei, Deutsche Telekom*

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

**S5-213672 DraftCR for eCOSLA - TS 28.536**

*Type: draftCR For: Approval  
 28.536 v16.3.0  
 Source: Ericsson*

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

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

**S5-213213 Rel. 17 CR TS 28.313 Fix non-inclusive languages**

*Type: CR For: Approval  
 28.313 v17.0.0 CR-0018 Cat: F (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-213529**.

**S5-213529 Rel. 17 CR TS 28.313 Fix non-inclusive languages**

*Type: CR For: Approval  
 28.313 v17.0.0 CR-0018 rev 1 Cat: F (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-213213)

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

**S5-213215 Rel. 17 CR TS 28.313 Editorial changes to D-MRO**

*Type: CR For: Approval  
 28.313 v17.0.0 CR-0019 Cat: F (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-213217 Rel. 17 CR TS 28.313 RRM resources optimization for network slice instance(s)**

*Type: CR For: Approval  
 28.313 v17.0.0 CR-0020 Cat: B (Rel-17)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-213227 CR TS 28.313 MLB procedure**

*Type: CR For: Approval  
 28.313 v17.0.0 CR-0021 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-213405 Discussion, Requirements, use cases and services for C-PCI**

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

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

**S5-213406 Rel-17 CR 28.313 Requirements, use cases and services for C-PCI**

*Type: CR For: Approval  
 28.313 v17.0.0 CR-0024 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

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

**S5-213689 LS on using SA5 Performance Measurements and Trace for centralised PCI management**

*Type: LS out For: Approval  
 to RAN2  
 Source: Ericsson*

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

#### 6.4.14 Enhancement of Handover Optimization

**S5-213407 Rel-17 CR 28.552 CHO Measurements**

*Type: CR For: Approval  
 28.552 v17.2.1 CR-0287 rev 2 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-212290)

**Decision:** The document was **revised to S5-213530**.

**S5-213530 Rel-17 CR 28.552 CHO Measurements**

*Type: CR For: Approval  
 28.552 v17.2.1 CR-0287 rev 3 Cat: B (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-213407)

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

**S5-213408 Rel-17 Input to draft CR 28.313 CHO Requirements**

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

(Replaces S5-206212)

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

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

**S5-213079 Rel-17 CR 28.310 Update on energy efficiency of URLLC network slice**

*Type: CR For: Approval  
 28.310 v17.0.0 CR-0011 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213531**.

**S5-213531 Rel-17 CR 28.310 Update on energy efficiency of URLLC network slice**

*Type: CR For: Approval  
 28.310 v17.0.0 CR-0011 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213079)

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

**S5-213080 Rel-17 CR 28.554 Update on energy efficiency of URLLC network slice**

*Type: CR For: Approval  
 28.554 v17.2.0 CR-0079 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213532**.

**S5-213532 Rel-17 CR 28.554 Update on energy efficiency of URLLC network slice**

*Type: CR For: Approval  
 28.554 v17.2.0 CR-0079 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213080)

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

**S5-213297 LS reply to 3GPP SA5 on Network Slice EE KPIs**

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

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

**S5-213300 Rel-17 CR TS 28.554 Add Energy Consumption KPI pour 5G NF and 5G CN**

*Type: CR For: Agreement  
 28.554 v17.2.0 CR-0080 Cat: B (Rel-17)  
  
 Source: Orange, AT&T, Deutsche Telekom*

**Decision:** The document was **revised to S5-213534**.

**S5-213534 Rel-17 CR TS 28.554 Add Energy Consumption KPI pour 5G NF and 5G CN**

*Type: CR For: Agreement  
 28.554 v17.2.0 CR-0080 rev 1 Cat: B (Rel-17)  
  
 Source: Orange, AT&T, Deutsche Telekom*

(Replaces S5-213300)

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

**S5-213301 Rel-17 CR TS 28.554 Add EE KPI for eMBB network slice based on RAN meas**

*Type: CR For: Agreement  
 28.554 v17.2.0 CR-0081 Cat: B (Rel-17)  
  
 Source: Orange, AT&T, Deutsche Telekom*

**Decision:** The document was **revised to S5-213535**.

**S5-213535 Rel-17 CR TS 28.554 Add EE KPI for eMBB network slice based on RAN meas**

*Type: CR For: Agreement  
 28.554 v17.2.0 CR-0081 rev 1 Cat: B (Rel-17)  
  
 Source: Orange, AT&T, Deutsche Telekom*

(Replaces S5-213301)

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

**S5-213304 Discussion on LS from GSMA on Network Slice EE KPI**

*Type: discussion For: Endorsement  
 Source: Orange*

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

**S5-213313 Rel-17 CR TS 28.541 Add Energy efficiency attribute**

*Type: CR For: Agreement  
 28.541 v17.2.1 CR-0493 Cat: B (Rel-17)  
  
 Source: Orange*

**Decision:** The document was **revised to S5-213533**.

**S5-213533 Rel-17 CR TS 28.541 Add Energy efficiency attribute**

*Type: CR For: Agreement  
 28.541 v17.2.1 CR-0493 rev 1 Cat: B (Rel-17)  
  
 Source: Orange,Huawei*

(Replaces S5-213313)

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

**S5-213324 Rel-17 CR TS28.310 Update of the EE KPIs Overview**

*Type: CR For: Approval  
 28.310 v17.0.0 CR-0016 Cat: B (Rel-17)  
  
 Source: Huawei Telecommunication India*

**Decision:** The document was **revised to S5-213536**.

**S5-213536 Rel-17 CR TS28.310 Update of the EE KPIs Overview**

*Type: CR For: Approval  
 28.310 v17.0.0 CR-0016 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei Telecommunication India*

(Replaces S5-213324)

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

**S5-213326 Rel-17 CR 28.541 Add energy efficiency to serviceprofile and sliceprofile**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0494 Cat: B (Rel-17)  
  
 Source: Huawei Telecommunication India*

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

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

**S5-213125 Rel-17 CR 28.622 Add IOC for discovery of management services**

*Type: CR For: Agreement  
 28.622 v16.7.1 CR-0101 Cat: B (Rel-17)  
  
 Source: Huawei,Ericsson*

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

**S5-213126 Rel-17 CR 28.623 Add IOC for discovery of management services**

*Type: CR For: Agreement  
 28.623 v16.7.0 CR-0126 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-213127 Rel-17 Input to draft CR 28.533 Add details of MnS discovery service**

*Type: other For: Approval  
 Source: Huawei*

**Decision:** The document was **revised to S5-213539**.

**S5-213539 Rel-17 Input to draft CR 28.533 Add details of MnS discovery service**

*Type: other For: Approval  
 Source: Huawei*

(Replaces S5-213127)

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

**S5-213365 Rel-17 Input to DraftCR 28.537 Add MnS discovery requirements**

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

**Decision:** The document was **revised to S5-213540**.

**S5-213540 Rel-17 Input to DraftCR 28.537 Add MnS discovery requirements**

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

(Replaces S5-213365)

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

**S5-213537 Rel-17 draftCR 28.622 Add IOC for discovery of management services**

*Type: draftCR For: Approval  
 28.622 v16.7.1  
 Source: Huawei*

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

**S5-213538 Rel-17 draftCR 28.623 Add IOC for discovery of management services**

*Type: draftCR For: Approval  
 28.623 v16.7.0  
 Source: Huawei*

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

**S5-213659 DraftCR for 5GDMS - TS 28.537**

*Type: draftCR For: Approval  
 28.537 v17.0.0  
 Source: Huawei*

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

**S5-213661 DraftCR for 5GDMS - TS 28.533**

*Type: draftCR For: Approval  
 28.533 v16.7.0  
 Source: Huawei*

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

#### 6.4.17 Management Aspects of 5G Network Sharing

**S5-213171 Discussion paper for requirements and NRM solution support 5G MOCN network sharing scenario**

*Type: discussion For: Endorsement  
 32.130 v..  
 Source: Huawei, Ericsson,China Mobile,China Telecom*

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

**S5-213172 Rel-17 CR TS 32.130 Add requirememts for management support for 5G MOCN network sharing scenario with same Cell Identity**

*Type: CR For: Agreement  
 32.130 v17.0.0 CR-0011 Cat: B (Rel-17)  
  
 Source: Huawei,China Mobile,Ericsson,China Telecom*

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

**S5-213173 Rel-17 CR TS 32.130 Add requirememts for management support for 5G MOCN network sharing scenario with multiple Cell Identity**

*Type: CR For: Agreement  
 32.130 v17.0.0 CR-0012 Cat: B (Rel-17)  
  
 Source: Huawei,China Mobile,Ericsson,China Telecom*

**Decision:** The document was **revised to S5-213541**.

**S5-213541 Rel-17 CR TS 32.130 Add requirememts for management support for 5G MOCN network sharing scenario with multiple Cell Identity**

*Type: CR For: Agreement  
 32.130 v17.0.0 CR-0012 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei,China Mobile,Ericsson,China Telecom*

(Replaces S5-213173)

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

**S5-213214 RAN Sharing NRM support for MOCN**

*Type: CR For: Approval  
 28.541 v17.2.1 CR-0468 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-212270)

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

**S5-213400 Rel-17 CR TS 28.541 Enhance the NRM definitions to support NG-RAN network sharing**

*Type: CR For: Agreement  
 28.541 v17.2.1 CR-0507 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

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

**S5-213401 Rel-17 CR TS 32.130 add mixed NG-RAN sharing use case and requirements**

*Type: CR For: Agreement  
 32.130 v17.0.0 CR-0013 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-213542**.

**S5-213542 Rel-17 CR TS 32.130 add mixed NG-RAN sharing use case and requirements**

*Type: CR For: Agreement  
 32.130 v17.0.0 CR-0013 rev 1 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

(Replaces S5-213401)

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

**S5-213402 Rel-17 CR TS 32.130 add NG-RAN sharing isolation use case and requirements**

*Type: CR For: Agreement  
 32.130 v17.0.0 CR-0014 Cat: B (Rel-17)  
  
 Source: ZTE Corporation*

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

**S5-213403 Discussion on MOCN NG-RAN network sharing**

*Type: discussion For: Endorsement  
 Source: ZTE Corporation*

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

#### 6.4.18 Enhancements of Management Data Analytics Service

**S5-213038 Initial skeleton (v0.0.0) of TS 28.104**

*Type: draft TS For: Approval  
 28.104 v0.0.0  
 Source: Intel, NEC*

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

**S5-213039 Add structure for TS 28.104**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Intel, NEC*

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

**S5-213060 pCR TS 28.104 Add descriptions of MDA architecture and service framework**

*Type: pCR For: (not specified)  
 28.104 v0.0.0  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-213061 pCR TS 28.104 Add descriptions of MDA role in management loop**

*Type: pCR For: (not specified)  
 28.104 v0.0.0  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-213062 pCR TS 28.104 Add MDA report related common attributes**

*Type: pCR For: (not specified)  
 28.104 v0.0.0  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-213395**.

**S5-213063 pCR TS 28.104 Add MDA request related service component**

*Type: pCR For: (not specified)  
 28.104 v0.0.0  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-213133 pCR 28.104 add alarm incident analysis**

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

**Decision:** The document was **revised to S5-213389**.

**S5-213182 pCR 28.104 Add introduction on MDA capabilities**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Intel, NEC*

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

**S5-213183 pCR 28.104 Add common information elements of MDA reports**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Intel, NEC*

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

**S5-213184 pCR 28.104 Add MDA capability for coverage problem analysis**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Intel, NEC*

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

**S5-213200 CR Rel-17 28.533 Add ML support for MnS**

*Type: CR For: Approval  
 28.533 v16.7.0 CR-0081 Cat: B (Rel-17)  
  
 Source: Intel*

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

**S5-213202 pCR 28.104 Add ML support for MDA**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: Intel*

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

**S5-213225 Rel-17 pCR TS 28.104 Add coverage optimization use case and requirements**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-213226 Rel-17 pCR TS 28.104 Add the description and requirements of MDA report feedback**

*Type: pCR For: Approval  
 28.104 v17.0.0  
 Source: Huawei*

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

**S5-213236 pCR 28.104 Add the common information elements of MDA reports**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: China Telecom Corporation Ltd.*

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

**S5-213237 pCR 28.104 Add the MDA functionality and service framework**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: China Telecom Corporation Ltd.*

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

**S5-213238 pCR 28.104 Add the MDA assisted energy saving**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: China Telecom Corporation Ltd.*

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

**S5-213321 pCR TS28.104 add MDA role to the MDA in management loop clause**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

**Abstract:**

Draft specification structure for TS28.104 has been proposed for Management Data Analytics (MDA) and this pCR proposes a text to add MDA role to the MDA in management loop clause.

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

**S5-213323 pCR TS28.104 add text for the scope**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

**Abstract:**

Draft specification TS28.104 has been allocated for Management Data Analytics (MDA) and this pCR proposes a text for the Scope.

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

**S5-213325 pCR TS28.104 add abbreviations and an overview to the concepts and overview subclause**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

**Abstract:**

Draft specification structure for TS28.104 has been proposed for Management Data Analytics (MDA) and this pCR proposes a text for the concept and abbreviations sub clauses.

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

**S5-213327 pCR draft TS28.104 add text to MDA functionality and service framework clause**

*Type: pCR For: Approval  
 28.104 v0.0.0  
 Source: NEC Europe Ltd, Intel*

**Abstract:**

Draft specification structure for TS28.104 has been proposed for Management Data Analytics (MDA) and this pCR proposes a text for the MDA functionality and service framework clause.

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

**S5-213389 pCR 28.104 add alarm incident analysis**

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

(Replaces S5-213133)

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

**S5-213395 pCR TS 28.104 Add MDA report related common attributes**

*Type: pCR For: (not specified)  
 28.104 v0.0.0  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-213062)

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

#### 6.4.19 Plug and connect support for management of Network Functions

**S5-213065 Rel-17 pCR 28.314 PnC Concepts and Requirements - Skeleton**

*Type: pCR For: Approval  
 28.314 v0.0.0  
 Source: Ericsson Inc*

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

**S5-213066 Rel-17 pCR 28.314 PnC Concepts and Requirements - Clauses**

*Type: pCR For: Approval  
 28.314 v0.0.0  
 Source: Ericsson Inc*

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

**S5-213067 Rel-17 pCR 28.314 PnC Concepts and Requirements - Scope**

*Type: pCR For: Approval  
 28.314 v0.0.0  
 Source: Ericsson Inc*

**Decision:** The document was **revised to S5-213543**.

**S5-213543 Rel-17 pCR 28.314 PnC Concepts and Requirements - Scope**

*Type: pCR For: Approval  
 28.314 v0.0.0  
 Source: Ericsson Inc*

(Replaces S5-213067)

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

**S5-213068 Rel-17 pCR 28.314 PnC Concepts and Requirements - Introduction**

*Type: pCR For: Approval  
 28.314 v0.0.0  
 Source: Ericsson Inc*

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

**S5-213069 Rel-17 pCR 28.315 PnC Procedure flows - Skeleton**

*Type: pCR For: Approval  
 28.315 v0.0.0  
 Source: Ericsson Inc*

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

**S5-213070 Rel-17 pCR 28.315 PnC Procedure flows - Clauses**

*Type: pCR For: Approval  
 28.315 v0.0.0  
 Source: Ericsson Inc*

**Decision:** The document was **revised to S5-213544**.

**S5-213544 Rel-17 pCR 28.315 PnC Procedure flows - Clauses**

*Type: pCR For: Approval  
 28.315 v0.0.0  
 Source: Ericsson Inc*

(Replaces S5-213070)

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

**S5-213071 Rel-17 pCR 28.315 PnC Procedure flows - Scope**

*Type: pCR For: Approval  
 28.315 v0.0.0  
 Source: Ericsson Inc*

**Decision:** The document was **revised to S5-213545**.

**S5-213545 Rel-17 pCR 28.315 PnC Procedure flows - Scope**

*Type: pCR For: Approval  
 28.315 v0.0.0  
 Source: Ericsson Inc*

(Replaces S5-213071)

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

**S5-213072 Rel-17 pCR 28.315 PnC Procedure flows - Introduction**

*Type: pCR For: Approval  
 28.315 v0.0.0  
 Source: Ericsson Inc*

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

**S5-213073 Rel-17 pCR 28.316 PnC Data formats - Skeleton**

*Type: pCR For: Approval  
 28.316 v0.0.0  
 Source: Ericsson Inc*

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

**S5-213074 Rel-17 pCR 28.316 PnC Data formats - Clauses**

*Type: pCR For: Approval  
 28.316 v0.0.0  
 Source: Ericsson Inc*

**Decision:** The document was **revised to S5-213546**.

**S5-213546 Rel-17 pCR 28.316 PnC Data formats - Clauses**

*Type: pCR For: Approval  
 28.316 v0.0.0  
 Source: Ericsson Inc*

(Replaces S5-213074)

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

**S5-213075 Rel-17 pCR 28.316 PnC Data formats - Scope**

*Type: pCR For: Approval  
 28.316 v0.0.0  
 Source: Ericsson Inc*

**Decision:** The document was **revised to S5-213547**.

**S5-213547 Rel-17 pCR 28.316 PnC Data formats - Scope**

*Type: pCR For: Approval  
 28.316 v0.0.0  
 Source: Ericsson Inc*

(Replaces S5-213075)

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

**S5-213076 Rel-17 pCR 28.316 PnC Data formats - Introduction**

*Type: pCR For: Approval  
 28.316 v0.0.0  
 Source: Ericsson Inc*

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

**S5-213662 Latest draft TS 28.314**

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

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

**S5-213663 Latest draft TS 28.315**

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

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

**S5-213664 Latest draft TS 28.316**

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

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

#### 6.4.20 File Management

**S5-213209 Rel-17 Input to DraftCR 28.537 Add requirements for file upload**

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

**Decision:** The document was **revised to S5-213548**.

**S5-213548 Rel-17 Input to DraftCR 28.537 Add requirements for file upload**

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

(Replaces S5-213209)

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

**S5-213451 DraftCR for 28.537 FIMA**

*Type: draftCR For: Approval  
 28.537 v17.0.0  
 Source: Nokia*

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

### 6.5 OAM&P Studies

#### 6.5.1 Study on new aspects of EE for 5G networks

**S5-213077 pCR 28.813 Potential solution for Key Issue #6**

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

**Decision:** The document was **revised to S5-213552**.

**S5-213552 pCR 28.813 Potential solution for Key Issue #6**

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

(Replaces S5-213077)

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

**S5-213078 pCR 28.813 Potential solution for Key Issue #7**

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

**Decision:** The document was **revised to S5-213553**.

**S5-213553 pCR 28.813 Potential solution for Key Issue #7**

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

(Replaces S5-213078)

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

**S5-213139 Discussion Paper on KPI of energy efficiency of URLLC type of network slice**

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

**Abstract:**

discussion paper on the KPI of energy efficiency of URLLC network slice in TR 28.813 based on PSA-UPF N3/N9 interfaces

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

**S5-213140 pCR 28.813 on KPI of energy efficiency of URLLC type of network slice**

*Type: pCR For: Approval  
 28.813 v0.5.0  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

Update the solution of KPI of energy efficiency of URLLC type of network slice

Document for: Approval

**Decision:** The document was **revised to S5-213549**.

**S5-213549 pCR 28.813 on KPI of energy efficiency of URLLC type of network slice**

*Type: pCR For: Approval  
 28.813 v0.5.0  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-213140)

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

**S5-213141 pCR 28.813 New KI on EE KPI for 5GC on 5GC Resource Consumption Estimation**

*Type: pCR For: Approval  
 28.813 v0.5.0  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

pCR for 28.813 proposing to add a New KI on EE KPI for 5GC on 5GC Resource Consumption Estimation

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

**S5-213142 pCR 28.813 New KI on Useful Output**

*Type: pCR For: Approval  
 28.813 v0.5.0  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

pCR 28.813 New KI on Useful Output Measurement for 5GC

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

**S5-213143 Discussion Paper on Useful Output Measurement Solutions**

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

**Abstract:**

Discussion Paper on Useful Output Measurement Solutions

**Decision:** The document was **revised to S5-213551**.

**S5-213551 Discussion Paper on Useful Output Measurement Solutions**

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

(Replaces S5-213143)

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

**S5-213296 pCR TR 28.813 Conclusion for Key Issue No. 1**

*Type: pCR For: Approval  
 28.813 v0.5.0  
 Source: Orange, AT&T, Deutsche Telekom*

**Decision:** The document was **revised to S5-213554**.

**S5-213554 pCR TR 28.813 Conclusion for Key Issue No. 1**

*Type: pCR For: Approval  
 28.813 v0.5.0  
 Source: Orange, AT&T, Deutsche Telekom*

(Replaces S5-213296)

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

**S5-213298 pCR T 28.813 Reorganisation of Key Issue #2**

*Type: pCR For: Approval  
 28.813 v0.5.0  
 Source: Orange, Deutsche Telekom*

**Decision:** The document was **revised to S5-213550**.

**S5-213550 pCR T 28.813 Reorganisation of Key Issue #2**

*Type: pCR For: Approval  
 28.813 v0.5.0  
 Source: Orange, Deutsche Telekom,China Telecom*

(Replaces S5-213298)

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

**S5-213299 pCR TR 28.813 Conclusion to DV based EE KPI for 5GC key issue**

*Type: pCR For: Approval  
 28.813 v0.5.0  
 Source: Orange, AT&T, Deutsche Telekom*

**Decision:** The document was **revised to S5-213555**.

**S5-213555 pCR TR 28.813 Conclusion to DV based EE KPI for 5GC key issue**

*Type: pCR For: Approval  
 28.813 v0.5.0  
 Source: Orange, AT&T, Deutsche Telekom*

(Replaces S5-213299)

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

**S5-213513 Presentation sheet of TR 28.813 for information**

*Type: TS or TR cover For: Approval  
 28.813 v..  
 Source: ORANGE*

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

**S5-213665 Latest draft TR 28.813**

*Type: draft TR For: Approval  
 28.813 v0.6.0  
 Source: Orange*

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

#### 6.5.2 Study on management aspects of edge computing

**S5-213112 pCR 28.814 Conclusions and Recommendations**

*Type: pCR For: Agreement  
 28.814 v0.4.0  
 Source: Samsung Electronics France SA*

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

**S5-213113 pCR 28.814 Definitions**

*Type: pCR For: Agreement  
 28.814 v0.4.0  
 Source: Samsung Electronics France SA*

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

**S5-213131 pCR 28.814 clarify EAS deployment solution using EASLcm IOC**

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

**Decision:** The document was **revised to S5-213557**.

**S5-213557 pCR 28.814 clarify EAS deployment solution using EASLcm IOC**

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

(Replaces S5-213131)

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

**S5-213132 pCR 28.814 correct EES and ECS deployment solution**

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

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

**S5-213212 Presentation of TR 28.814 for information**

*Type: TS or TR cover For: Approval  
 28.814 v0.4.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-213218 pCR 28.814 UC of UPF selection to support EAS deployment**

*Type: pCR For: Approval  
 28.814 v0.4.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-213558**.

**S5-213558 pCR 28.814 UC of UPF selection to support EAS deployment**

*Type: pCR For: Approval  
 28.814 v0.4.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-213218)

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

**S5-213219 pCR 28.814 add solutions for EAS configuration**

*Type: pCR For: Approval  
 28.814 v0.4.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-213559**.

**S5-213559 pCR 28.814 add solutions for EAS configuration**

*Type: pCR For: Approval  
 28.814 v0.4.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-213219)

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

**S5-213220 pCR 28.814 add evaluation of potential solutions**

*Type: pCR For: Approval  
 28.814 v0.4.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-213560**.

**S5-213560 pCR 28.814 add evaluation of potential solutions**

*Type: pCR For: Approval  
 28.814 v0.4.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-213220)

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

**S5-213221 pCR 28.814 add Conclusions and recommendations**

*Type: pCR For: Approval  
 28.814 v0.4.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-213556**.

**S5-213556 pCR 28.814 add Conclusions and recommendations**

*Type: pCR For: Approval  
 28.814 v0.4.0  
 Source: Intel Corporation (UK) Ltd,Samsung*

(Replaces S5-213221)

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

**S5-213666 Latest draft TR 28.814**

*Type: draft TR For: Approval  
 28.814 v0.5.0  
 Source: Intel*

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

#### 6.5.3 Study on network slice management enhancement (revised to include security aspects)

**S5-213128 pCR 28.811 Add potential requirements**

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

**Decision:** The document was **revised to S5-213561**.

**S5-213561 pCR 28.811 Add potential requirements**

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

(Replaces S5-213128)

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

**S5-213129 pCR 28.811 Add conclusions and recommendations**

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

**Decision:** The document was **revised to S5-213577**.

**S5-213577 pCR 28.811 Add conclusions and recommendations**

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

(Replaces S5-213129)

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

**S5-213130 Presentation sheet for approval of TR 28.811**

*Type: other For: Approval  
 Source: Huawei*

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

**S5-213368 28.811 use case - support network slice protection on N6 interface**

*Type: pCR For: Approval  
 28.817 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213576**.

**S5-213576 28.811 use case - support network slice protection on N6 interface**

*Type: pCR For: Approval  
 28.817 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213368)

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

**S5-213369 28.811 use case - support Network Slice Specific Authentication**

*Type: pCR For: Approval  
 28.817 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213562**.

**S5-213562 28.811 use case - support Network Slice Specific Authentication**

*Type: pCR For: Approval  
 28.817 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213369)

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

**S5-213370 28.811 use case - support isolation in network slice subnet**

*Type: pCR For: Approval  
 28.817 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213506**.

**S5-213506 28.811 use case - support isolation in network slice subnet**

*Type: pCR For: Approval  
 28.817 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213370)

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

**S5-213371 28.811 more consideration on network slice covering multiple networks**

*Type: pCR For: Approval  
 28.817 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise*

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

**S5-213428 Update to multi-operator scenario**

*Type: pCR For: Agreement  
 28.811 v0.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213563**.

**S5-213563 Update to multi-operator scenario**

*Type: pCR For: Agreement  
 28.811 v0.4.0  
 Source: Ericsson LM,Nokia,Hewlett Packard Enterprise*

(Replaces S5-213428)

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

**S5-213667 Latest draft TR 28.811**

*Type: draft TR For: Approval  
 28.811 v0.5.0  
 Source: Huawei*

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

#### 6.5.4 Study on YANG PUSH

**S5-213417 Functionality of YANG-Push**

*Type: pCR For: Approval  
 28.818 v0.0.0  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-213675**.

**S5-213675 Functionality of YANG-Push**

*Type: pCR For: Approval  
 28.818 v0.0.0  
 Source: Ericsson Hungary Ltd*

(Replaces S5-213417)

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

**S5-213419 Using YANG-Push**

*Type: pCR For: Approval  
 28.818 v0.0.0  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-213676**.

**S5-213676 Using YANG-Push**

*Type: pCR For: Approval  
 28.818 v0.0.0  
 Source: Ericsson Hungary Ltd*

(Replaces S5-213419)

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

**S5-213433 YANG-Push Impact on Specifications**

*Type: pCR For: Approval  
 28.818 v0.0.0  
 Source: Ericsson Hungary Ltd*

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

**S5-213512 Comments on S5-213417rev1 pCR 28.818 Functionality of YANG-Push**

*Type: other For: discussion  
 Source: Nokia*

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

**S5-213567 Latest draft TR 28.818**

*Type: draft TR For: Approval  
 28.818 v0.1.0  
 Source: Ericsson*

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

#### 6.5.5 Study on access control for management service

**S5-213058 Discussion on OAM providing eNA related input data to NWDAF**

*Type: discussion For: (not specified)  
 Source: China Telecomunication Corp.*

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

**S5-213366 28.817 use case - granular access control for internal MnS consumer**

*Type: pCR For: Approval  
 28.817 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell, TELEFONICA S.A.*

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

**S5-213367 28.817 use case - integrate with existing AAA system of operator**

*Type: pCR For: Approval  
 28.817 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213668 Latest draft TR 28.817**

*Type: draft TR For: Approval  
 28.817 v0.3.0  
 Source: Nokia*

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

#### 6.5.6 Study on network slice management capability exposure

**S5-213046 Initial skeleton (v0.0.0) of TR 28.824**

*Type: draft TR For: (not specified)  
 28.824 v0.0.0  
 Source: Alibaba Group*

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

**S5-213390 28.824 Add Introduction to TR 28.824**

*Type: pCR For: Approval  
 28.824 v0.0.0  
 Source: Alibaba Group*

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

**S5-213391 28.824 Add Description of Concept and Roles to TR 28.824**

*Type: pCR For: Approval  
 28.824 v0.0.0  
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-213566**.

**S5-213566 28.824 Add Description of Concept and Roles to TR 28.824**

*Type: pCR For: Approval  
 28.824 v0.0.0  
 Source: Alibaba Group*

(Replaces S5-213391)

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

**S5-213392 28.824 use case - Network slice management capability exposure**

*Type: pCR For: Approval  
 28.824 v0.0.0  
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-213658**.

**S5-213658 28.824 use case - Network slice management capability exposure**

*Type: pCR For: Approval  
 28.824 v0.0.0  
 Source: Alibaba Group*

(Replaces S5-213392)

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

**S5-213393 28.824 NR and 5GC management capability exposure**

*Type: pCR For: Approval  
 28.824 v0.0.0  
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-213564**.

**S5-213564 28.824 NR and 5GC management capability exposure**

*Type: pCR For: Approval  
 28.824 v0.0.0  
 Source: Alibaba Group*

(Replaces S5-213393)

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

**S5-213394 28.824 solution - Permission rule for network management capability exposure**

*Type: pCR For: Approval  
 28.824 v0.0.0  
 Source: Alibaba Group*

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

**S5-213427 Enhanced service level management for network slicing**

*Type: pCR For: Agreement  
 28.824 v0.0.0  
 Source: Ericsson LM*

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

**S5-213429 External exposure via BSS**

*Type: pCR For: Agreement  
 28.824 v0.0.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213565**.

**S5-213565 External exposure via BSS**

*Type: pCR For: Agreement  
 28.824 v0.0.0  
 Source: Ericsson LM*

(Replaces S5-213429)

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

**S5-213669 Latest draft TR 28.824**

*Type: draft TR For: Approval  
 28.824 v0.1.0  
 Source: Alibaba*

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

#### 6.5.7 Study on continuous integration continuous delivery support for 3GPP NFs

**S5-213059 Initial Skeleton of 28.819**

*Type: draft TR For: Approval  
 28.819 v0.0.0  
 Source: Lenovo, Motorola Mobility, China Mobile*

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

**S5-213144 pCR 28.819 Add NGMN Background**

*Type: pCR For: (not specified)  
 28.819 v0.0.0  
 Source: Lenovo, Motorola Mobilty, CMCC*

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

**S5-213180 pCR 28.819 Add Roles relevant to the study**

*Type: pCR For: (not specified)  
 28.819 v0.0.0  
 Source: Lenovo, Motorola Mobility, CMCC*

**Decision:** The document was **revised to S5-213570**.

**S5-213570 pCR 28.819 Add Roles relevant to the study**

*Type: pCR For: -  
 28.819 v0.0.0  
 Source: Lenovo, Motorola Mobility, CMCC*

(Replaces S5-213180)

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

**S5-213181 pCT 28.819 Add scope**

*Type: pCR For: (not specified)  
 28.819 v0.0.0  
 Source: Lenovo. Motorola Mobility, CMCC*

**Decision:** The document was **revised to S5-213568**.

**S5-213568 pCT 28.819 Add scope**

*Type: pCR For: -  
 28.819 v0.0.0  
 Source: Lenovo. Motorola Mobility, CMCC*

(Replaces S5-213181)

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

**S5-213216 Add Scenario on Supplier NF delivery**

*Type: pCR For: (not specified)  
 28.819 v0.0.0  
 Source: Lenovo, Motorola Mobility, CMCC*

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

**S5-213272 pCR 28.819 Usecase and requirements for CI-CD**

*Type: pCR For: (not specified)  
 28.819 v0.0.0  
 Source: Samsung Electronics France SA*

**Decision:** The document was **revised to S5-213571**.

**S5-213571 pCR 28.819 Usecase and requirements for CI-CD**

*Type: pCR For: -  
 28.819 v0.0.0  
 Source: Samsung Electronics France SA*

(Replaces S5-213272)

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

**S5-213290 pCR 28.819 Add Explanation for related work in ETSI**

*Type: pCR For: (not specified)  
 28.819 v0.0.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

**Abstract:**

Add explanation for related work in ETSI.

**Decision:** The document was **revised to S5-213569**.

**S5-213569 pCR 28.819 Add Explanation for related work in ETSI**

*Type: pCR For: -  
 28.819 v0.0.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

(Replaces S5-213290)

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

**S5-213291 pCR 28.819 Add Explanation for Single and Multiple NF Suppliers CI-CD**

*Type: pCR For: (not specified)  
 28.819 v0.0.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

**Abstract:**

Add explanation for Single and Multiple NF Suppliers CI-CD.

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

**S5-213670 Latest draft TR 28.819**

*Type: draft TR For: Approval  
 28.819 v0.1.0  
 Source: Lenovo*

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

#### 6.5.8 Study on enhancement of service based management architecture

**S5-213042 Initial skeleton (v0.0.0) of TS 28.925**

*Type: draft TR For: (not specified)  
 28.925 v0.0.0  
 Source: Huawei Technologies (Korea), Ericsson*

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

**S5-213043 Initial skeleton (v0.0.1) of TR 28.925**

*Type: draft TR For: (not specified)  
 28.925 v0.0.1  
 Source: Huawei Technologies (Korea), Ericsson*

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

**S5-213223 Add key issue SBMA supporting manangement of 5G SA and NSA scenarios**

*Type: pCR For: (not specified)  
 28.925 v0.0.1  
 Source: Huawei Technologies (Korea)*

**Decision:** The document was **revised to S5-213572**.

**S5-213572 Add key issue SBMA supporting manangement of 5G SA and NSA scenarios**

*Type: pCR For: -  
 28.925 v0.0.1  
 Source: Huawei Technologies (Korea)*

(Replaces S5-213223)

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

**S5-213229 Add key issue SBMA suporting management architectures and frameworks in other SDOs**

*Type: pCR For: (not specified)  
 28.925 v0.0.1  
 Source: Huawei Technologies (Korea)*

**Decision:** The document was **revised to S5-213573**.

**S5-213573 Add key issue SBMA suporting management architectures and frameworks in other SDOs**

*Type: pCR For: -  
 28.925 v0.0.1  
 Source: Huawei Technologies (Korea)*

(Replaces S5-213229)

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

**S5-213413 pCR R17 28.925 TS investigation**

*Type: pCR For: (not specified)  
 28.925 v0.0.1  
 Source: Ericsson*

**Decision:** The document was **revised to S5-213574**.

**S5-213574 pCR R17 28.925 TS investigation**

*Type: pCR For: -  
 28.925 v0.0.1  
 Source: Ericsson*

(Replaces S5-213413)

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

**S5-213671 Latest draft TR 28.925**

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

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

## 7 Charging

### 7.1 Charging Plenary

**S5-213008 CH agenda and time plan**

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

**Decision:** The document was **revised to S5-213582**.

**S5-213582 CH agenda and time plan**

*Type: agenda For: -  
 Source: WG vice Chair (Nokia)*

(Replaces S5-213008)

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

**S5-213009 Charging exec report**

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

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

**S5-213020 Resubmited LS from WSOLU to 3GPP SA5 - 5G charging architecture for wholesale scenarios**

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

**Decision:** The document was **replied to in S5-213583**.

**S5-213583 Reply to: Resubmited LS from WSOLU to 3GPP SA5 - 5G charging architecture for wholesale scenarios**

*Type: LS out For: approval  
 to GSMA WSOLU, cc SA2, GSMA NG, GSMA IDS  
 Source: Ericsson*

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

**S5-213031 Reply LS on making PSCell ID available at the SGW of EPC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2100248*

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

**S5-213033 Reply LS on 5G ProSe charging updates**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2101598*

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

**S5-213289 GSMA/IDS - Billing and Charging Evolution (BCE) Introduction**

*Type: discussion For: (not specified)  
 Source: Orange*

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

**S5-213415 List of Approved DraftCRs**

*Type: other For: Information  
 Source: WG Vice Chair (Nokia)*

**Decision:** The document was **revised to S5-213586**.

**S5-213586 List of Approved DraftCRs**

*Type: other For: Information  
 Source: WG Vice Chair (Nokia)*

(Replaces S5-213415)

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

### 7.2 New Charging Work Item proposals

**S5-213145 Revised WID on N40 Interface Enhancements to Support GERAN and UTRAN**

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

**Decision:** The document was **revised to S5-213605**.

**S5-213605 Revised WID on N40 Interface Enhancements to Support GERAN and UTRAN**

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

(Replaces S5-213145)

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

**S5-213239 New WID on SBI Supporting for Time Consumption Mechanism**

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

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

**S5-213335 New SID on Nchf charging service phase 2**

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

**Decision:** The document was **revised to S5-213606**.

**S5-213606 New SID on Nchf charging service phase 2**

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

(Replaces S5-213335)

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

**S5-213336 New SID on 5G charging for local breakout scenarios**

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

**Decision:** The document was **revised to S5-213607**.

**S5-213607 New SID on 5G roaming charging architecture for wholesale and retail scenarios**

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

(Replaces S5-213336)

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

### 7.3 Charging Maintenance and Rel-16 small Enhancements

**S5-213240 Rel-16 CR 32.255 Correct the Handover description**

*Type: CR For: Approval  
 32.255 v16.8.0 CR-0302 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213653**.

**S5-213653 Rel-16 CR 32.255 Correct the Handover description**

*Type: CR For: Approval  
 32.255 v16.8.0 CR-0302 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-213240)

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

**S5-213241 Rel-17 CR 32.255 Correct the Handover description**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0303 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213654**.

**S5-213654 Rel-17 CR 32.255 Correct the Handover description**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0303 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213241)

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

**S5-213242 Rel-17 draftCR 32.291 Support of stateless NF**

*Type: draftCR For: Approval  
 32.291 v16.7.0  
 Source: Huawei*

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

**S5-213243 Rel-16 CR 32.255 Correct the PRA reporting information**

*Type: CR For: Approval  
 32.255 v16.8.0 CR-0304 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213625**.

**S5-213625 Rel-16 CR 32.255 Correct the PRA reporting information**

*Type: CR For: Approval  
 32.255 v16.8.0 CR-0304 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-213243)

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

**S5-213244 Rel-17 CR 32.255 Correct the PRA reporting information**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0305 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213626**.

**S5-213626 Rel-17 CR 32.255 Correct the PRA reporting information**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0305 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213244)

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

**S5-213245 Rel-16 CR 32.291 Clarify the Presence Reporting Area information**

*Type: CR For: Approval  
 32.291 v16.7.0 CR-0319 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-213246 Rel-16 CR 32.291 Correct the Nchf\_ OfflineOnlyCharging API resource definition**

*Type: CR For: Approval  
 32.291 v16.7.0 CR-0320 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213627**.

**S5-213627 Rel-16 CR 32.291 Correct the Nchf\_ OfflineOnlyCharging API resource definition**

*Type: CR For: Approval  
 32.291 v16.7.0 CR-0320 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-213246)

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

**S5-213247 Rel-16 CR 32.291 Correct the Nchf\_ ConvergedCharging API resource definition**

*Type: CR For: Approval  
 32.291 v16.7.0 CR-0321 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-213248 Rel-16 CR 32.291 Clarify the User Location information**

*Type: CR For: Approval  
 32.291 v16.7.0 CR-0322 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-213249 Rel-16 CR 32.240 Clarify the Charging data configuration**

*Type: CR For: Approval  
 32.240 v16.2.0 CR-0424 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213628**.

**S5-213628 Rel-16 CR 32.240 Clarify the Charging data configuration**

*Type: CR For: Approval  
 32.240 v16.2.0 CR-0424 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-213249)

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

**S5-213250 Rel-17 CR 32.240 Clarify the Charging data configuration**

*Type: CR For: Approval  
 32.240 v17.1.0 CR-0425 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213629**.

**S5-213629 Rel-17 CR 32.240 Clarify the Charging data configuration**

*Type: CR For: Approval  
 32.240 v17.1.0 CR-0425 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213250)

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

**S5-213275 Rel-17 CR 32.240 Correction on Reference Points on 5GS**

*Type: CR For: Agreement  
 32.240 v17.1.0 CR-0426 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213638**.

**S5-213638 Rel-17 CR 32.240 Correction on Reference Points on 5GS**

*Type: CR For: Agreement  
 32.240 v17.1.0 CR-0426 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213275)

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

**S5-213276 Rel-17 CR 32.255 Correction on Reference Points for 5GS**

*Type: CR For: Agreement  
 32.255 v17.1.1 CR-0310 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213639**.

**S5-213639 Rel-17 CR 32.255 Correction on Reference Points for 5GS**

*Type: CR For: Agreement  
 32.255 v17.1.1 CR-0310 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213276)

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

**S5-213277 Rel-17 CR 32.254 Correction on Reference Points for 5GS**

*Type: CR For: Agreement  
 32.254 v16.4.0 CR-0017 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213640**.

**S5-213640 Rel-17 CR 32.254 Correction on Reference Points for 5GS**

*Type: CR For: Agreement  
 32.254 v16.4.0 CR-0017 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213277)

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

**S5-213278 Rel-17 CR 32.274 Correction on Reference Points for 5GS**

*Type: CR For: Agreement  
 32.274 v16.2.0 CR-0080 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213641**.

**S5-213641 Rel-17 CR 32.274 Correction on Reference Points for 5GS**

*Type: CR For: Agreement  
 32.274 v16.2.0 CR-0080 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213278)

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

**S5-213279 Rel-16 CR 32.255 Correction on support of CHF set**

*Type: CR For: Agreement  
 32.255 v16.8.0 CR-0311 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Matrixx*

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

**S5-213280 Rel-17 CR 32.255 Correction on support of CHF set**

*Type: CR For: Agreement  
 32.255 v17.1.1 CR-0312 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Matrixx*

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

**S5-213281 Rel-16 CR 32.290 Correction on support of CHF set and CHF service set**

*Type: CR For: Agreement  
 32.290 v16.7.0 CR-0161 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Matrixx*

**Decision:** The document was **revised to S5-213644**.

**S5-213644 Rel-16 CR 32.290 Correction on support of CHF set and CHF service set**

*Type: CR For: Agreement  
 32.290 v16.7.0 CR-0161 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Matrixx*

(Replaces S5-213281)

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

**S5-213282 Rel-17 CR 32.290 Correction on support of CHF set and CHF service set**

*Type: CR For: Agreement  
 32.290 v17.1.0 CR-0162 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Matrixx*

**Decision:** The document was **revised to S5-213645**.

**S5-213645 Rel-17 CR 32.290 Correction on support of CHF set and CHF service set**

*Type: CR For: Agreement  
 32.290 v17.1.0 CR-0162 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Matrixx*

(Replaces S5-213282)

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

**S5-213283 Rel-16 CR 32.291 Correction on Presence Reporting Areas(s) subscription in AMF**

*Type: CR For: Agreement  
 32.291 v16.7.0 CR-0323 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213630**.

**S5-213630 Rel-16 CR 32.291 Correction on Presence Reporting Areas(s) subscription in AMF**

*Type: CR For: Agreement  
 32.291 v16.7.0 CR-0323 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213283)

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

**S5-213284 Rel-16 CR 32.291 Correction on missing binding attributes**

*Type: CR For: Agreement  
 32.291 v16.7.0 CR-0324 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213285 Rel-17 CR 32.251 Introduction of PSCell ID in SGW CDR**

*Type: CR For: Agreement  
 32.251 v16.0.0 CR-0518 Cat: C (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213286 Rel-17 CR 32.251 Correction on Secondary RAT reporting**

*Type: CR For: Agreement  
 32.251 v16.0.0 CR-0519 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213302 Rel-16 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC**

*Type: CR For: Approval  
 32.255 v16.8.0 CR-0313 Cat: F (Rel-16)  
  
 Source: Matrixx*

**Decision:** The document was **revised to S5-213631**.

**S5-213631 Rel-16 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC**

*Type: CR For: Approval  
 32.255 v16.8.0 CR-0313 rev 1 Cat: F (Rel-16)  
  
 Source: Matrixx*

(Replaces S5-213302)

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

**S5-213305 Rel-17 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0314 Cat: A (Rel-17)  
  
 Source: Matrixx*

**Decision:** The document was **revised to S5-213632**.

**S5-213632 Rel-17 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0314 rev 1 Cat: A (Rel-17)  
  
 Source: Matrixx*

(Replaces S5-213305)

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

**S5-213306 Rel-16 CR 32.291 Correction on PDU address using DHCPv6 for connected RG to 5GC**

*Type: CR For: Approval  
 32.291 v16.7.0 CR-0325 Cat: F (Rel-16)  
  
 Source: Matrixx*

**Decision:** The document was **revised to S5-213633**.

**S5-213633 Rel-16 CR 32.291 Correction on PDU address using DHCPv6 for connected RG to 5GC**

*Type: CR For: Approval  
 32.291 v16.7.0 CR-0325 rev 1 Cat: F (Rel-16)  
  
 Source: Matrixx*

(Replaces S5-213306)

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

**S5-213314 Rel-16 CR 32.298 Correction on PDU address using DHCPv6 for connected RG to 5GC**

*Type: CR For: Approval  
 32.298 v16.8.0 CR-0867 Cat: F (Rel-16)  
  
 Source: Matrixx*

**Decision:** The document was **revised to S5-213634**.

**S5-213634 Rel-16 CR 32.298 Correction on PDU address using DHCPv6 for connected RG to 5GC**

*Type: CR For: Approval  
 32.298 v16.8.0 CR-0867 rev 1 Cat: F (Rel-16)  
  
 Source: Matrixx*

(Replaces S5-213314)

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

**S5-213337 Rel-17 CR 32.260 Correcting capturing of missing location information**

*Type: CR For: Agreement  
 32.260 v17.1.0 CR-0423 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213642**.

**S5-213642 Rel-17 CR 32.260 Correcting capturing of missing location information**

*Type: CR For: Agreement  
 32.260 v17.1.0 CR-0423 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-213337)

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

**S5-213338 Rel-16 CR 32.298 Correcting IPv6 text description**

*Type: CR For: Agreement  
 32.298 v16.8.0 CR-0868 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213614**.

**S5-213614 Rel-16 CR 32.298 Correcting IPv6 text description**

*Type: CR For: Agreement  
 32.298 v16.8.0 CR-0868 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-213338)

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

**S5-213339 Rel-16 CR 32.274 Correcting SMS Result coding**

*Type: CR For: Agreement  
 32.274 v16.2.0 CR-0081 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213635**.

**S5-213635 Rel-16 CR 32.274 Correcting SMS Result coding**

*Type: CR For: Agreement  
 32.274 v16.2.0 CR-0081 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-213339)

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

**S5-213340 Rel-16 CR 32.298 Correcting SMS Result coding**

*Type: CR For: Agreement  
 32.298 v16.8.0 CR-0869 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-213341 Rel-16 CR 32.290 Correcting of sequence number interpretation**

*Type: CR For: Agreement  
 32.290 v16.7.0 CR-0163 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-213342 Rel-17 CR 32.290 Correcting of sequence number interpretation**

*Type: CR For: Agreement  
 32.290 v17.1.0 CR-0164 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-213343 Rel-16 CR 32.291 Correcting of sequence number interpretation**

*Type: CR For: Agreement  
 32.291 v16.7.0 CR-0326 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-213344 Rel-16 CR 32.255 Correcting of sequence number interpretation**

*Type: CR For: Agreement  
 32.255 v16.8.0 CR-0315 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-213345 Rel-17 CR 32.255 Correcting of sequence number interpretation**

*Type: CR For: Agreement  
 32.255 v17.1.1 CR-0316 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-213346 Rel-16 CR 32.255 Correcting handling of volume quota threshold per UPF**

*Type: CR For: Agreement  
 32.255 v16.8.0 CR-0317 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-213347 Rel-17 CR 32.255 Correcting handling of volume quota threshold per UPF**

*Type: CR For: Agreement  
 32.255 v17.1.1 CR-0318 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-213348 Rel-16 CR 32.298 Correcting multiple presence reporting area information**

*Type: CR For: Agreement  
 32.298 v16.8.0 CR-0870 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-213349 Rel-17 CR 32.291 Correcting of reporting errors in notification responses**

*Type: CR For: Agreement  
 32.291 v16.7.0 CR-0327 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-213350 Rel-16 CR 32.291 Correcting feature handling for ETSUN**

*Type: CR For: Agreement  
 32.291 v16.7.0 CR-0328 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213622**.

**S5-213622 Rel-16 CR 32.291 Correcting feature handling for ETSUN**

*Type: CR For: Agreement  
 32.291 v16.7.0 CR-0328 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-213350)

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

**S5-213351 Rel-16 CR 32.291 Correcting timestamp definition**

*Type: CR For: Agreement  
 32.291 v16.7.0 CR-0329 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-213352 Rel-17 CR 32.291 Correcting filter rule as list**

*Type: CR For: Agreement  
 32.291 v16.7.0 CR-0330 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-213425 Rel-16 CR 32.298 Correcting timestamp definition**

*Type: CR For: Agreement  
 32.298 v16.8.0 CR-0871 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

### 7.4 Rel-17 Charging

#### 7.4.1 IMS Charging in 5G System Architecture

**S5-213114 DraftCR 5GSIMSCH TS 32.291 IMS Information in converged charging**

*Type: other For: Approval  
 32.291 v..  
 Source: China Mobile*

**Decision:** The document was **revised to S5-213584**.

**S5-213584 DraftCR 5GSIMSCH TS 32.291 IMS Information in converged charging**

*Type: other For: Approval  
 32.291 v..  
 Source: China Mobile*

(Replaces S5-213114)

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

**S5-213115 DraftCR 5GSIMSCH TS 32.298 IMS Information in converged charging**

*Type: other For: Approval  
 32.298 v..  
 Source: China Mobile*

**Decision:** The document was **revised to S5-213585**.

**S5-213585 DraftCR 5GSIMSCH TS 32.298 IMS Information in converged charging**

*Type: draftCR For: Approval  
 32.298 v16.8.0  
 Source: China Mobile*

(Replaces S5-213115)

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

**S5-213251 Rel-17 CR TS 32.260 Update some description of offline only charging**

*Type: CR For: Approval  
 32.260 v17.1.0 CR-0420 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213587**.

**S5-213587 Rel-17 CR TS 32.260 Update some description of offline only charging**

*Type: CR For: Approval  
 32.260 v17.1.0 CR-0420 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213251)

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

**S5-213252 Rel-17 CR 32.290 Add IMS Information in Offline Only Charging**

*Type: CR For: Approval  
 32.290 v17.1.0 CR-0160 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213588**.

**S5-213588 Rel-17 CR 32.290 Add IMS Information in Offline Only Charging**

*Type: CR For: Approval  
 32.290 v17.1.0 CR-0160 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213252)

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

**S5-213273 Rel-17 CR 32.260 Introduction of CHF selection using NRF**

*Type: CR For: Agreement  
 32.260 v17.1.0 CR-0421 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213589**.

**S5-213589 Rel-17 CR 32.260 Introduction of CHF selection using NRF**

*Type: CR For: Agreement  
 32.260 v17.1.0 CR-0421 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213273)

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

**S5-213274 Rel-17 CR 32.260 Introduction of IMS converged charging architecture in Reference Points**

*Type: CR For: Agreement  
 32.260 v17.1.0 CR-0422 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213590**.

**S5-213590 Rel-17 CR 32.260 Introduction of IMS converged charging architecture in Reference Points**

*Type: CR For: Agreement  
 32.260 v17.1.0 CR-0422 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213274)

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

**S5-213353 Rel-17 CR 32.275 Adding CHF announcement handling**

*Type: CR For: Agreement  
 32.275 v17.1.0 CR-0080 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213591**.

**S5-213591 Rel-17 CR 32.275 Adding CHF announcement handling**

*Type: CR For: Agreement  
 32.275 v17.1.0 CR-0080 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-213353)

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

**S5-213354 Rel-17 CR 32.275 Adding converged charging flows**

*Type: CR For: Agreement  
 32.275 v17.1.0 CR-0081 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213647**.

**S5-213647 Rel-17 CR 32.275 Adding converged charging flows**

*Type: CR For: Agreement  
 32.275 v17.1.0 CR-0081 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-213354)

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

**S5-213355 Rel-17 CR 32.275 Adding converged charging data description**

*Type: CR For: Agreement  
 32.275 v17.1.0 CR-0082 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213592**.

**S5-213592 Rel-17 CR 32.275 Adding converged charging data description**

*Type: CR For: Agreement  
 32.275 v17.1.0 CR-0082 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-213355)

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

#### 7.4.2 Charging enhancement for URLLC

**S5-213253 Rel-17 CR 32.255 Correct the message flow for URLLC Charging**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0306 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213593**.

**S5-213593 Rel-17 CR 32.255 Correct the message flow for URLLC Charging**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0306 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213253)

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

**S5-213254 Rel-17 CR 32.255 Add the definition for non-redandunt transmission**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0307 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213648**.

**S5-213648 Rel-17 CR 32.255 Add the definition for non-redandunt transmission**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0307 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213254)

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

**S5-213255 Rel-17 CR 32.255 Remove the editor's note about the usage reporting**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0308 Cat: B (Rel-17)  
  
 Source: Huawei*

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

**S5-213256 Rel-17 CR 32.255 Add RSN for URLLC Charging**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0309 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-213646**.

**S5-213646 Rel-17 CR 32.255 Add RSN for URLLC Charging**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0309 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-213256)

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

**S5-213257 Rel-17 DraftCR 32.298 Update URLLC charging information**

*Type: draftCR For: Approval  
 32.298 v16.8.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-213604**.

**S5-213604 Rel-17 DraftCR 32.298 Update URLLC charging information**

*Type: draftCR For: Approval  
 32.298 v16.8.0  
 Source: Huawei*

(Replaces S5-213257)

**Decision:** The document was **revised to S5-213657**.

**S5-213657 Rel-17 DraftCR 32.298 Update URLLC charging information**

*Type: draftCR For: Approval  
 32.298 v16.8.0  
 Source: Huawei*

(Replaces S5-213604)

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

**S5-213258 Rel-17 DraftCR 32.291 Update URLLC charging information**

*Type: draftCR For: Approval  
 32.291 v16.7.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-213649**.

**S5-213649 Rel-17 DraftCR 32.291 Update URLLC charging information**

*Type: draftCR For: Approval  
 32.291 v16.7.0  
 Source: Huawei*

(Replaces S5-213258)

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

#### 7.4.3 N40 Interface Enhancements to Support GERAN and UTRAN

**S5-213146 Rel-17 CR 32.240 Delete PGW in logical ubiquitous charging architecture- service based interface**

*Type: CR For: Approval  
 32.240 v17.1.0 CR-0423 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-213594**.

**S5-213594 Rel-17 CR 32.240 Delete PGW in logical ubiquitous charging architecture- service based interface**

*Type: CR For: Approval  
 32.240 v17.1.0 CR-0423 rev 1 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-213146)

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

**S5-213147 Rel-17 CR 32.290 Delete PGW as consumer of ConvergedCharging service**

*Type: CR For: Approval  
 32.290 v17.1.0 CR-0159 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-213595**.

**S5-213595 Rel-17 CR 32.290 Delete PGW as consumer of ConvergedCharging service**

*Type: CR For: Approval  
 32.290 v17.1.0 CR-0159 rev 1 Cat: F (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-213147)

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

**S5-213148 Rel-17 CR 32.255 Support of GERAN-UTRAN access by SMF+PGW-C**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0301 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-213596**.

**S5-213596 Rel-17 CR 32.255 Support of GERAN-UTRAN access by SMF+PGW-C**

*Type: CR For: Approval  
 32.255 v17.1.1 CR-0301 rev 1 Cat: B (Rel-17)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-213148)

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

### 7.5 Charging studies

#### 7.5.1 Study on charging aspects of Edge Computing

**S5-213193 pCR 28.815 Add solutions on charging for obtaining UE location by EAS from EES**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-213597**.

**S5-213597 pCR 28.815 Add solutions on charging for obtaining UE location by EAS from EES**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

(Replaces S5-213193)

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

**S5-213194 pCR 28.815 Add solutions on charging for Application Client information subscription and notification**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-213598**.

**S5-213598 pCR 28.815 Add solutions on charging for Application Client information subscription and notification**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

(Replaces S5-213194)

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

**S5-213195 pCR 28.815 Add solutions on charging for ACR management event subscription and notification**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-213599**.

**S5-213599 pCR 28.815 Add solutions on charging for ACR management event subscription and notification**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

(Replaces S5-213195)

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

**S5-213196 pCR 28.815 Evaluation of solutions for subscriber based charging for 5GS usage supporting EC**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-213600**.

**S5-213600 pCR 28.815 Evaluation of solutions for subscriber based charging for 5GS usage supporting EC**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

(Replaces S5-213196)

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

**S5-213197 Presentation of TR 28.815 for information**

*Type: TS or TR cover For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

**Decision:** The document was **revised to S5-213623**.

**S5-213623 Presentation of TR 28.815 for information**

*Type: TS or TR cover For: Approval  
 28.815 v0.5.0  
 Source: Intel Finland Oy*

(Replaces S5-213197)

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

**S5-213259 Rel-17 pCR 28.815 Add the quota management for Edge charging**

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

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

**S5-213260 Rel-17 pCR 28.815 update use case of charging for edge enabling services**

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

**Decision:** The document was **revised to S5-213655**.

**S5-213655 Rel-17 pCR 28.815 update use case of charging for edge enabling services**

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

(Replaces S5-213260)

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

**S5-213261 Rel-17 pCR 28.815 architecture and solution for charging for edge enabling services**

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

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

**S5-213356 Rel-17 pCR 28.815 Correction of subscription for EAS deployment**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213601**.

**S5-213601 Rel-17 pCR 28.815 Correction of subscription for EAS deployment**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Ericsson LM*

(Replaces S5-213356)

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

**S5-213357 Rel-17 pCR 28.815 Correction of use cases**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213602**.

**S5-213602 Rel-17 pCR 28.815 Correction of use cases**

*Type: pCR For: Approval  
 28.815 v0.5.0  
 Source: Ericsson LM*

(Replaces S5-213357)

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

**S5-213603 draft TR 28.815**

*Type: draft TR For: Approval  
 28.815 v0.6.0  
 Source: Intel*

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

#### 7.5.2 Study on charging aspects of 5GS CIoT

**S5-213307 Rel-17 pCR 28.816 update use case**

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

**Decision:** The document was **revised to S5-213650**.

**S5-213650 Rel-17 pCR 28.816 update use case**

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

(Replaces S5-213307)

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

**S5-213308 Rel-17 pCR 28.816 update content in use case mapping**

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

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

**S5-213309 Rel-17 pCR 28.816 add key issues**

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

**Decision:** The document was **revised to S5-213656**.

**S5-213656 Rel-17 pCR 28.816 add key issues**

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

(Replaces S5-213309)

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

**S5-213310 Rel-17 pCR 28.816 add potential solution for 5G data connectivity domain charging**

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

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

**S5-213311 Rel-17 pCR 28.816 add potential solution for control plane data transfer domain charging**

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

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

**S5-213312 Rel-17 pCR 28.816 add potential solution for north bound API charging**

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

**Decision:** The document was **revised to S5-213651**.

**S5-213651 Rel-17 pCR 28.816 add potential solution for north bound API charging**

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

(Replaces S5-213312)

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

**S5-213652 Draft TR 28.816**

*Type: draft TR For: Approval  
 28.816 v0.5.0  
 Source: Huawei*

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

#### 7.5.3 Study on charging aspects of Proximity-based Services in 5GC

**S5-213150 pCR 32.846 Updating on Direct Discovery charging over PC5 reference point**

*Type: pCR For: Approval  
 32.846 v0.4.0  
 Source: CATT*

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

**S5-213151 pCR 32.846 Updating on Direct Discovery charging with 5G DDNMF**

*Type: pCR For: Approval  
 32.846 v0.4.0  
 Source: CATT*

**Decision:** The document was **revised to S5-213608**.

**S5-213608 pCR 32.846 Updating on Direct Discovery charging with 5G DDNMF**

*Type: pCR For: Approval  
 32.846 v0.4.0  
 Source: CATT*

(Replaces S5-213151)

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

**S5-213152 pCR 32.846 Add possible solution for ProSe Broadcast mode Direct Communication**

*Type: pCR For: Approval  
 32.846 v0.4.0  
 Source: CATT*

**Decision:** The document was **revised to S5-213609**.

**S5-213609 pCR 32.846 Add possible solution for ProSe Broadcast mode Direct Communication**

*Type: pCR For: Approval  
 32.846 v0.4.0  
 Source: CATT*

(Replaces S5-213152)

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

**S5-213153 pCR 32.846 Add possible solution for ProSe Groupcast mode Direct Communication**

*Type: pCR For: Approval  
 32.846 v0.4.0  
 Source: CATT*

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

**S5-213154 pCR 32.846 Correction on solution for unicast Direct Communication charging**

*Type: pCR For: Approval  
 32.846 v0.4.0  
 Source: CATT*

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

**S5-213155 pCR 32.846 Updating description and reqirements for Direct Communication charging**

*Type: pCR For: Approval  
 32.846 v0.4.0  
 Source: CATT*

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

**S5-213358 Rel-17 pCR 32.846 Adding CTF based architecture for direct communication**

*Type: pCR For: Approval  
 32.846 v0.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-213610**.

**S5-213610 Rel-17 pCR 32.846 Adding CTF based architecture for direct communication**

*Type: pCR For: Approval  
 32.846 v0.4.0  
 Source: Ericsson LM*

(Replaces S5-213358)

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

**S5-213611 Cover sheet TR 32.846 for information**

*Type: TS or TR cover For: Approval  
 32.846 v0.5.0  
 Source: CATT*

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

**S5-213612 Draft TR 32.846**

*Type: draft TR For: Approval  
 32.846 v0.5.0  
 Source: CATT*

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

#### 7.5.4 Study on Charging Aspect of 5G LAN-type Services

**S5-213262 Rel-17 pCR 28.822 Add the UDM based solution for 5G VN Group**

*Type: pCR For: Approval  
 28.822 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-213613**.

**S5-213613 Rel-17 pCR 28.822 Add the UDM based solution for 5G VN Group**

*Type: pCR For: Approval  
 28.822 v0.2.0  
 Source: Huawei*

(Replaces S5-213262)

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

**S5-213263 Rel-17 pCR 28.822 Add the Use case for 5G VN group Communication**

*Type: pCR For: Approval  
 28.822 v0.2.0  
 Source: Huawei*

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

**S5-213264 Rel-17 pCR 28.822 Add the solution for traffic forwarding**

*Type: pCR For: Approval  
 28.822 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-213615**.

**S5-213615 Rel-17 pCR 28.822 Add the solution for traffic forwarding**

*Type: pCR For: Approval  
 28.822 v0.2.0  
 Source: Huawei*

(Replaces S5-213264)

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

**S5-213616 Draft TR 28.822**

*Type: draft TR For: Approval  
 28.822 v0.3.0  
 Source: Huawei*

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

#### 7.5.5 Study on charging aspects for enhancements of Network Slicing Phase 2

**S5-213118 Rel-17 pCR 28.847 Introduction of a distributed charging architecture solution for KI#3**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213617**.

**S5-213617 Rel-17 pCR 28.847 Introduction of a distributed charging architecture solution for KI#3**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213118)

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

**S5-213119 Rel-17 pCR 28.847 Introduction of a solution for KI#3 based on KPI**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213618**.

**S5-213618 Rel-17 pCR 28.847 Introduction of a solution for KI#3 based on KPI**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213119)

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

**S5-213120 Rel-17 pCR 28.847 Solutions evaluation for KI#3**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213619**.

**S5-213619 Rel-17 pCR 28.847 Solutions evaluation for KI#3**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213120)

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

**S5-213121 Rel-17 pCR 28.847 Introduction of Key issue#X Individual UE charging based on Network Slice**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-213122 Rel-17 pCR 28.847 Introduction of a solution based on distributed charging architecture for KI#X**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-213620**.

**S5-213620 Rel-17 pCR 28.847 Introduction of a solution based on distributed charging architecture for KI#X**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-213122)

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

**S5-213265 Rel-17 pCR 32.847 Intro new requirements and KI - NS actual duration**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-213643**.

**S5-213643 Rel-17 pCR 32.847 Intro new requirements and KI - NS actual duration**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Huawei*

(Replaces S5-213265)

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

**S5-213266 Rel-17 pCR 32.847 Add interactions from NSACF to CHF with IEC**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Huawei*

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

**S5-213315 TR 32.847 – Solution for Key Issue #1 based on new charging service**

*Type: pCR For: Agreement  
 32.847 v0.2.0  
 Source: Matrixx*

**Decision:** The document was **revised to S5-213621**.

**S5-213621 TR 32.847 – Solution for Key Issue #1 based on new charging service**

*Type: pCR For: Agreement  
 32.847 v0.2.0  
 Source: Matrixx*

(Replaces S5-213315)

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

**S5-213359 Rel-17 pCR 32.847 Adding event based solution to key issue 5**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Ericsson LM*

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

**S5-213360 Rel-17 pCR 32.847 Adding session based solution to key issue 5**

*Type: pCR For: Approval  
 32.847 v0.2.0  
 Source: Ericsson LM*

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

**S5-213624 Draft TR 32.847**

*Type: draft TR For: Approval  
 32.847 v0.3.0  
 Source: Matrixx*

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

## 8 Any Other Business

**S5-213175 Initial skeleton (v0.0.0) of TR 28.xyz**

*Type: discussion For: Approval  
 Source: China Unicom*

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

**S5-213176 pCR Add structure for TR 28.xyz**

*Type: discussion For: Approval  
 Source: China Unicom*

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

**S5-213450 (reserved)**

*Type: other For: discussion  
 Source: OAM1*

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

**S5-213636 (reserved)**

*Type: other For: discussion  
 Source: Charging SWG*

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

**S5-213637 (reserved)**

*Type: other For: discussion  
 Source: Charging*

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

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S5-213000 | Agenda | WG Chair | approved |  |  |
| S5-213001 | Report from last SA5 meeting | MCC | approved |  |  |
| S5-213002 | e-meeting process | WG Chair | noted |  |  |
| S5-213003 | Post e-meeting email approval status | WG Chair | available |  |  |
| S5-213004 | OAM&P action list | WG Vice Chair | noted |  |  |
| S5-213005 | agenda\_with\_Tdocs\_sequence\_proposal\_OAM | WG Vice Chair | noted |  |  |
| S5-213006 | OAM Exec Report | WG Vice Chair | available |  |  |
| S5-213007 | OAM Chair notes and conclusions | WG Chair | available |  |  |
| S5-213008 | CH agenda and time plan | WG vice Chair (Nokia) | revised |  | S5-213582 |
| S5-213009 | Charging exec report | WG vice Chair (Nokia) | noted |  |  |
| S5-213010 | SA5 working procedures | WG Chair | revised |  | S5-213690 |
| S5-213011 | Process for management of draft TS-TRs | WG Chair | approved |  |  |
| S5-213012 | List of DraftCR input and output | WG Chair | withdrawn |  |  |
| S5-213013 | SA5 meeting calendar | WG CHair | revised |  | S5-213452 |
| S5-213014 | Presentation of Spec 28.555 to SA for Approval | China Mobile Com. Corporation | approved |  |  |
| S5-213015 | pCR 28.556 add introduction | China Mobile Com. Corporation | approved |  |  |
| S5-213016 | pCR 28.555 add editorial improvements | China Mobile Com. Corporation | approved |  |  |
| S5-213017 | pCR 28.556 add policy management procedures | China Mobile Com. Corporation | revised |  | S5-213523 |
| S5-213018 | pCR 28.556 add management operation for Policy | China Mobile Com. Corporation | approved |  |  |
| S5-213019 | pCR 28.556 add information model definition for Policy | China Mobile Com. Corporation | noted |  |  |
| S5-213020 | Resubmited LS from WSOLU to 3GPP SA5 - 5G charging architecture for wholesale scenarios | GSMA | replied to |  |  |
| S5-213021 | Resubmitted LS to SA5 on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | R3-211334 | replied to |  |  |
| S5-213022 | Resubmitted LS/r on work progress on M.resm-AI "Requirements for energy saving management of 5G RAN system with AI" (reply to 3GPP SA5-LS1225) | ITU-T SG2 | noted |  |  |
| S5-213023 | Resubmitted LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-204647) | ITU-T SG2 | replied to |  |  |
| S5-213024 | LS ccSA5 on 5G capabilities exposure for factories of the future - revised | 5G Alliance for Connected Industries and Automation (5G-ACIA) | noted |  |  |
| S5-213025 | LS on Information on the port number allocation solutions | C4-211806 | noted |  |  |
| S5-213026 | LS ccSA5 on Requirement on Support of VxLAN Tunnelling | C4-211827 | noted |  |  |
| S5-213027 | Ls on Broadband Forum Response to 3GPP/SA5 Liaison S5-193350 (LIAISE-293) | BBF | noted |  |  |
| S5-213028 | LS on Multi-SDO Autonomous Networks (AN) Formal Liaison:  19th April 2021 Meeting Invitation, agenda, Bridge, and  Meeting Schedule | TM Forum | replied to |  |  |
| S5-213029 | LS from GSMA Operator Platform Group on edge computing definition and integration. | GSMA | noted |  |  |
| S5-213030 | Reply LS on QoE Measurement Collection for LTE | RP-210922 | postponed |  |  |
| S5-213031 | Reply LS on making PSCell ID available at the SGW of EPC | S2-2100248 | postponed |  |  |
| S5-213032 | LS Response on Network Slice PA Charging per maximum utilized bandwidth | S2-2101347 | noted |  |  |
| S5-213033 | Reply LS on 5G ProSe charging updates | S2-2101598 | noted |  |  |
| S5-213034 | Reply LS ccSA5 on propagation of user consent related information during Xn inter-PLMN handover | S3-211330 | noted |  |  |
| S5-213035 | Reply LS on the user consent for trace reporting | S3-211338 | noted |  |  |
| S5-213036 | LS on EDGEAPP | S6-210630 | replied to |  |  |
| S5-213037 | LS on slicing management aspects in relation to SEAL | S6-210709 | postponed |  |  |
| S5-213038 | Initial skeleton (v0.0.0) of TS 28.104 | Intel, NEC | approved |  |  |
| S5-213039 | Add structure for TS 28.104 | Intel, NEC | noted |  |  |
| S5-213040 | Rel-17 SBMA versions for 28.622 and 28.623 | Ericsson Hungary Ltd | endorsed |  |  |
| S5-213041 | Repairing-Splitting 28.541 | Ericsson Hungary Ltd | revised |  | S5-213507 |
| S5-213042 | Initial skeleton (v0.0.0) of TS 28.925 | Huawei Technologies (Korea), Ericsson | approved |  |  |
| S5-213043 | Initial skeleton (v0.0.1) of TR 28.925 | Huawei Technologies (Korea), Ericsson | approved |  |  |
| S5-213044 | LS ccSA5 on Requirement on Support of VxLAN Tunnelling | S2-2103236 | noted |  |  |
| S5-213045 | Rel-17 CR 28.541 Correction of ServiceProfile attributes | Ericsson LM | agreed | S5-212352 |  |
| S5-213046 | Initial skeleton (v0.0.0) of TR 28.824 | Alibaba Group | approved |  |  |
| S5-213047 | Reply LS ccSA5 on Edge computing definition and integration | S6-210976 | noted |  |  |
| S5-213048 | Reply LS to SA5 on network sharing with multiple SSBs in a carrier | R2-2104606 | postponed |  |  |
| S5-213049 | Rel-17 CR 28.541 Delete the PerfReq in SliceProfile | China Mobile, Huawei | merged |  | S5-213487 |
| S5-213050 | Rel-17 CR 28.541 OpenAPI changes of deleting the PerfReq in SliceProfile | China Mobile, Huawei | merged |  | S5-213487 |
| S5-213051 | LS ccSA5 on Clarification on the API design principles | C3-212554 | noted |  |  |
| S5-213052 | Definition of the Total DRB Accessibility KPI | Nokia Solutions & Networks (I) | revised |  | S5-213510 |
| S5-213053 | Yang Corrections of implementation errors | Ericsson Hungary Ltd | agreed |  |  |
| S5-213054 | Add new adminstrative messages in GPB trace record format | Ericsson LM | revised |  | S5-213501 |
| S5-213055 | Correct collection periods applied for MDT activation and handover in NR | Ericsson LM | revised |  | S5-213498 |
| S5-213056 | Correct collection periods applied for MDT activation and handover in NR | Ericsson LM | merged |  | S5-213474 |
| S5-213057 | Add new requirement for measurement pollution indication in NR | Ericsson LM | agreed |  |  |
| S5-213058 | Discussion on OAM providing eNA related input data to NWDAF | China Telecomunication Corp. | endorsed |  |  |
| S5-213059 | Initial Skeleton of 28.819 | Lenovo, Motorola Mobility, China Mobile | approved |  |  |
| S5-213060 | pCR TS 28.104 Add descriptions of MDA architecture and service framework | HuaWei Technologies Co., Ltd | withdrawn |  |  |
| S5-213061 | pCR TS 28.104 Add descriptions of MDA role in management loop | HuaWei Technologies Co., Ltd | noted |  |  |
| S5-213062 | pCR TS 28.104 Add MDA report related common attributes | HuaWei Technologies Co., Ltd | revised |  | S5-213395 |
| S5-213063 | pCR TS 28.104 Add MDA request related service component | HuaWei Technologies Co., Ltd | noted |  |  |
| S5-213064 | Rel-16 CR 28.531 Remove subscribe and unsubscribe operations | Ericsson Inc. | not pursued |  |  |
| S5-213065 | Rel-17 pCR 28.314 PnC Concepts and Requirements - Skeleton | Ericsson Inc | approved |  |  |
| S5-213066 | Rel-17 pCR 28.314 PnC Concepts and Requirements - Clauses | Ericsson Inc | approved |  |  |
| S5-213067 | Rel-17 pCR 28.314 PnC Concepts and Requirements - Scope | Ericsson Inc | revised |  | S5-213543 |
| S5-213068 | Rel-17 pCR 28.314 PnC Concepts and Requirements - Introduction | Ericsson Inc | approved |  |  |
| S5-213069 | Rel-17 pCR 28.315 PnC Procedure flows - Skeleton | Ericsson Inc | approved |  |  |
| S5-213070 | Rel-17 pCR 28.315 PnC Procedure flows - Clauses | Ericsson Inc | revised |  | S5-213544 |
| S5-213071 | Rel-17 pCR 28.315 PnC Procedure flows - Scope | Ericsson Inc | revised |  | S5-213545 |
| S5-213072 | Rel-17 pCR 28.315 PnC Procedure flows - Introduction | Ericsson Inc | approved |  |  |
| S5-213073 | Rel-17 pCR 28.316 PnC Data formats - Skeleton | Ericsson Inc | approved |  |  |
| S5-213074 | Rel-17 pCR 28.316 PnC Data formats - Clauses | Ericsson Inc | revised |  | S5-213546 |
| S5-213075 | Rel-17 pCR 28.316 PnC Data formats - Scope | Ericsson Inc | revised |  | S5-213547 |
| S5-213076 | Rel-17 pCR 28.316 PnC Data formats - Introduction | Ericsson Inc | approved |  |  |
| S5-213077 | pCR 28.813 Potential solution for Key Issue #6 | Huawei | revised |  | S5-213552 |
| S5-213078 | pCR 28.813 Potential solution for Key Issue #7 | Huawei | revised |  | S5-213553 |
| S5-213079 | Rel-17 CR 28.310 Update on energy efficiency of URLLC network slice | Huawei | revised |  | S5-213531 |
| S5-213080 | Rel-17 CR 28.554 Update on energy efficiency of URLLC network slice | Huawei | revised |  | S5-213532 |
| S5-213081 | pCR 28.557 Modify different management modes of NPN | Huawei | revised |  | S5-213484 |
| S5-213082 | pCR 28.557 requirements of management capability exposure for different management modes of NPN | Huawei | revised |  | S5-213485 |
| S5-213083 | pCR 28.557 Add Generic requirements for management of NPN | Huawei | revised |  | S5-213486 |
| S5-213084 | pCR 28.557 Add requirements for management of NPN-SC | Huawei | noted |  |  |
| S5-213085 | pCR 28.557 Add requirements to support management of CAG | Huawei | revised |  | S5-213482 |
| S5-213086 | pCR 28.557 Rapporteur clean-up proposal | Huawei | approved |  |  |
| S5-213087 | pCR 28.557 Update Annex A | Huawei | approved |  |  |
| S5-213088 | Living document of review of GSMA GST SA5#137e | Huawei, China Mobile | endorsed |  |  |
| S5-213089 | Rel-17 CR 28.541 Update table L.2.1 to introduce PM info | Huawei, China Mobile | merged |  | S5-213496 |
| S5-213090 | Rel-17 CR 28.541 Add positioning support in RANSliceSubnetProfile | Huawei, China Mobile | revised |  | S5-213488 |
| S5-213091 | Rel-17 CR 28.541 OpenAPI of adding positioning support in RANSliceSubnetProfile | Huawei, China Mobile | revised |  | S5-213489 |
| S5-213092 | Rel-17 CR 28.541 Add synchronicity support in RANSliceSubnetProfile | Huawei, China Mobile | revised |  | S5-213490 |
| S5-213093 | Rel-17 CR 28.541 OpenAPI of adding synchronicity support in RANSliceSubnetProfile | Huawei, China Mobile | revised |  | S5-213491 |
| S5-213094 | Rel-17 CR 28.541 Update throughput NRM stage 2 | Huawei, China Mobile | merged |  | S5-213487 |
| S5-213095 | Rel-17 CR 28.541 OpenAPI changes of updating throughput NRM stage 2 | Huawei, China Mobile | merged |  | S5-213487 |
| S5-213096 | Rel-16 CR TS 28.310 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd | not pursued |  |  |
| S5-213097 | Rel-17 CR TS 28.310 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd | not pursued |  |  |
| S5-213098 | Response LS to SA5 on handover terminology | R2-2104358 | noted |  |  |
| S5-213099 | Rel-16 CR 28.532 Clarifying A B and C | Samsung Electronics France SA | not pursued |  |  |
| S5-213100 | Rel-16 CR 32.160 Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213101 | Rel-16 CR 28.622 Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-213102 | Rel-16 CR 28.532 Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-213103 | Rel-17 CR 38.536 Moving Assurance Observed and Predicted | Samsung Electronics France SA | revised |  | S5-213525 |
| S5-213104 | Rel-16 CR 32.160 Change format for NRM stage 3 definition rules from JSON to YAML | Nokia, Nokia Shanghai Bell | revised |  | S5-213480 |
| S5-213105 | Rel-16 CR 28.532 Correct definitions for performance assurance (stage 2 and 3) | Nokia, Nokia Shanghai Bell | revised |  | S5-213681 |
| S5-213106 | Rel-16 CR 28.532 Correct definitions for file management (stage 2, REST SS, OpenAPI definition) | Nokia, Nokia Shanghai Bell | revised |  | S5-213463 |
| S5-213107 | Rel-16 CR 28.622 Addition, adaptation and cleanup of Trace/MDT related parameters (stage2) | Nokia, Nokia Shanghai Bell | revised |  | S5-213471 |
| S5-213108 | Rel-16 CR 32.158 Correct definitions of resource creation | Nokia, Nokia Shanghai Bell | revised |  | S5-213479 |
| S5-213109 | Rel-16 CR 32.158 Correct definitions of resource update | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-213110 | Rel-16 CR 32.158 Correct definition of the REST SS specification template | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213111 | New measurement for number of normally released calls (QCI1 E-RAB) initiated by MME in RLF detected conditions | Nokia Solutions & Networks (I) | revised |  | S5-213511 |
| S5-213112 | pCR 28.814 Conclusions and Recommendations | Samsung Electronics France SA | merged |  | S5-213556 |
| S5-213113 | pCR 28.814 Definitions | Samsung Electronics France SA | approved |  |  |
| S5-213114 | DraftCR 5GSIMSCH TS 32.291 IMS Information in converged charging | China Mobile | revised |  | S5-213584 |
| S5-213115 | DraftCR 5GSIMSCH TS 32.298 IMS Information in converged charging | China Mobile | revised |  | S5-213585 |
| S5-213116 | Rel-17 CR 32.422 Correction, alignment and cleanup of Trace/MDT related parameters | Nokia, Nokia Shanghai Bell | revised |  | S5-213474 |
| S5-213117 | perfReq mapping to domain specific attributes | Ericsson LM | revised |  | S5-213487 |
| S5-213118 | Rel-17 pCR 28.847 Introduction of a distributed charging architecture solution for KI#3 | Nokia, Nokia Shanghai Bell | revised |  | S5-213617 |
| S5-213119 | Rel-17 pCR 28.847 Introduction of a solution for KI#3 based on KPI | Nokia, Nokia Shanghai Bell | revised |  | S5-213618 |
| S5-213120 | Rel-17 pCR 28.847 Solutions evaluation for KI#3 | Nokia, Nokia Shanghai Bell | revised |  | S5-213619 |
| S5-213121 | Rel-17 pCR 28.847 Introduction of Key issue#X Individual UE charging based on Network Slice | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-213122 | Rel-17 pCR 28.847 Introduction of a solution based on distributed charging architecture for KI#X | Nokia, Nokia Shanghai Bell | revised |  | S5-213620 |
| S5-213123 | Rel-15 CR 28.531 CR Clarify misleading information in network slicing use cases | Huawei,Orange | revised |  | S5-213461 |
| S5-213124 | Rel-16 CR 28.531 CR Clarify misleading information in network slicing use cases | Huawei,Orange | revised |  | S5-213462 |
| S5-213125 | Rel-17 CR 28.622 Add IOC for discovery of management services | Huawei,Ericsson | not pursued |  |  |
| S5-213126 | Rel-17 CR 28.623 Add IOC for discovery of management services | Huawei | not pursued |  |  |
| S5-213127 | Rel-17 Input to draft CR 28.533 Add details of MnS discovery service | Huawei | revised |  | S5-213539 |
| S5-213128 | pCR 28.811 Add potential requirements | Huawei | revised |  | S5-213561 |
| S5-213129 | pCR 28.811 Add conclusions and recommendations | Huawei | revised |  | S5-213577 |
| S5-213130 | Presentation sheet for approval of TR 28.811 | Huawei | noted |  |  |
| S5-213131 | pCR 28.814 clarify EAS deployment solution using EASLcm IOC | Huawei | revised |  | S5-213557 |
| S5-213132 | pCR 28.814 correct EES and ECS deployment solution | Huawei | approved |  |  |
| S5-213133 | pCR 28.104 add alarm incident analysis | Huawei | revised |  | S5-213389 |
| S5-213134 | DP tenant representation in 3GPP management system | Huawei | endorsed |  |  |
| S5-213135 | Rel-17 CR 28.541 Add reliability to CN slice profile | Huawei | revised |  | S5-213686 |
| S5-213136 | Discussion on enhansement of NRM definition for the NWDAF | Huawei | endorsed |  |  |
| S5-213137 | Rel-17 CR TS 28.541 Enhansement of NRM definition for the NWDAF | Huawei | revised |  | S5-213502 |
| S5-213138 | Rel-17 CR TS 28.541 OpenAPI Enhansement of NRM definition for the NWDAF | Huawei | revised |  | S5-213503 |
| S5-213139 | Discussion Paper on KPI of energy efficiency of URLLC type of network slice | China Telecom Corporation Ltd. | approved |  |  |
| S5-213140 | pCR 28.813 on KPI of energy efficiency of URLLC type of network slice | China Telecom Corporation Ltd. | revised |  | S5-213549 |
| S5-213141 | pCR 28.813 New KI on EE KPI for 5GC on 5GC Resource Consumption Estimation | China Telecom Corporation Ltd. | merged |  | S5-213550 |
| S5-213142 | pCR 28.813 New KI on Useful Output | China Telecom Corporation Ltd. | merged |  | S5-213550 |
| S5-213143 | Discussion Paper on Useful Output Measurement Solutions | China Telecom Corporation Ltd. | revised |  | S5-213551 |
| S5-213144 | pCR 28.819 Add NGMN Background | Lenovo, Motorola Mobilty, CMCC | approved |  |  |
| S5-213145 | Revised WID on N40 Interface Enhancements to Support GERAN and UTRAN | China Mobile Com. Corporation | revised |  | S5-213605 |
| S5-213146 | Rel-17 CR 32.240 Delete PGW in logical ubiquitous charging architecture- service based interface | China Mobile Com. Corporation | revised |  | S5-213594 |
| S5-213147 | Rel-17 CR 32.290 Delete PGW as consumer of ConvergedCharging service | China Mobile Com. Corporation | revised |  | S5-213595 |
| S5-213148 | Rel-17 CR 32.255 Support of GERAN-UTRAN access by SMF+PGW-C | China Mobile Com. Corporation | revised |  | S5-213596 |
| S5-213149 | Rel-16 CR 28.622 Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213150 | pCR 32.846 Updating on Direct Discovery charging over PC5 reference point | CATT | approved |  |  |
| S5-213151 | pCR 32.846 Updating on Direct Discovery charging with 5G DDNMF | CATT | revised |  | S5-213608 |
| S5-213152 | pCR 32.846 Add possible solution for ProSe Broadcast mode Direct Communication | CATT | revised |  | S5-213609 |
| S5-213153 | pCR 32.846 Add possible solution for ProSe Groupcast mode Direct Communication | CATT | approved |  |  |
| S5-213154 | pCR 32.846 Correction on solution for unicast Direct Communication charging | CATT | approved |  |  |
| S5-213155 | pCR 32.846 Updating description and reqirements for Direct Communication charging | CATT | approved |  |  |
| S5-213156 | Rel-16 CR 28.532 Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213157 | Rel-16 CR TS 28.541 Correct the description for GNBDUFunction and EP\_NgC | Huawei,China Mobile | agreed |  |  |
| S5-213158 | Rel-17 CR TS 28.541 Correct the description for GNBDUFunction and EP\_NgC | Huawei,China Mobile | agreed |  |  |
| S5-213159 | Rel-16 CR TS 28.532 Update clause 11.2.2 Managed information for fault supervision management service | Huawei,China Mobile | revised |  | S5-213682 |
| S5-213160 | Rel-17 CR TS 28.541 improve the readability of EP\_Transport | Huawei | revised |  | S5-213504 |
| S5-213161 | Rel-17 CR TS 28.531Add reference to EP\_transport for transport network requirements | Huawei | revised |  | S5-213505 |
| S5-213162 | pCR TS 28.100 Add requirements for generic autonomous network level for network optimization | Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo | revised |  | S5-213514 |
| S5-213163 | pCR TS 28.100 Update several existing classification of autonomous network level | Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo | revised |  | S5-213515 |
| S5-213164 | pCR TS 28.100 Add generic autonomous network level for RAN NE deployment | Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo | revised |  | S5-213516 |
| S5-213165 | pCR TS 28.312 Update intent information model | Huawei,China Telecom, China Mobile,AsiaInfo | noted |  |  |
| S5-213166 | pCR TS 28.312 Add concrete IntentExpectation for network optimization | Huawei,China Telecom, China Mobile | noted |  |  |
| S5-213167 | pCR TS 28.312 Add concrete IntentExpectation for radio network deployment and radio service deployment | Huawei,China Telecom, China Mobile | noted |  |  |
| S5-213168 | pCR TS 28.312 Update Clause 4.2 and Clause 4.4 | Huawei,China Mobile,AsiaInfo | revised |  | S5-213477 |
| S5-213169 | pCR TS 28.312 Add state and procedure for intent management | Huawei,China Telecom, China Mobile | noted |  |  |
| S5-213170 | Rel-17 CR TS 28.536 Improve the readabililty of closed control loop NRM fragment | Huawei | revised |  | S5-213526 |
| S5-213171 | Discussion paper for requirements and NRM solution support 5G MOCN network sharing scenario | Huawei, Ericsson,China Mobile,China Telecom | noted |  |  |
| S5-213172 | Rel-17 CR TS 32.130 Add requirememts for management support for 5G MOCN network sharing scenario with same Cell Identity | Huawei,China Mobile,Ericsson,China Telecom | agreed |  |  |
| S5-213173 | Rel-17 CR TS 32.130 Add requirememts for management support for 5G MOCN network sharing scenario with multiple Cell Identity | Huawei,China Mobile,Ericsson,China Telecom | revised |  | S5-213541 |
| S5-213174 | New SID on Management Aspects of 5G Network Sharing | China Unicom | revised |  | S5-213457 |
| S5-213175 | Initial skeleton (v0.0.0) of TR 28.xyz | China Unicom | not treated |  |  |
| S5-213176 | pCR Add structure for TR 28.xyz | China Unicom | not treated |  |  |
| S5-213177 | Add MDT polluted measurement indication for trace record in NR | Ericsson LM | revised |  | S5-213500 |
| S5-213178 | Ls to SA5 on 3GPP Edge Computing coordination | S6-210978 | replied to |  |  |
| S5-213179 | Reply LS on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | Ericsson LM | revised |  | S5-213499 |
| S5-213180 | pCR 28.819 Add Roles relevant to the study | Lenovo, Motorola Mobility, CMCC | revised |  | S5-213570 |
| S5-213181 | pCT 28.819 Add scope | Lenovo. Motorola Mobility, CMCC | revised |  | S5-213568 |
| S5-213182 | pCR 28.104 Add introduction on MDA capabilities | Intel, NEC | noted |  |  |
| S5-213183 | pCR 28.104 Add common information elements of MDA reports | Intel, NEC | noted |  |  |
| S5-213184 | pCR 28.104 Add MDA capability for coverage problem analysis | Intel, NEC | noted |  |  |
| S5-213185 | CR Rel-17 28.552 Add measurements related to data record creation for UDR | Intel | agreed |  |  |
| S5-213186 | CR Rel-17 28.552 Add measurements related to data record deletion for UDR | Intel | agreed |  |  |
| S5-213187 | Rel-16 CR 28.623 Addition, adaptation and cleanup of Trace/MDT related parameters (stage 3) | Nokia, Nokia Shanghai Bell | revised |  | S5-213472 |
| S5-213188 | CR Rel-17 28.552 Add measurements related to data record update for UDR | Intel | agreed |  |  |
| S5-213189 | CR Rel-17 28.552 Add measurements related to data modification notification subscription for UDR | Intel | agreed |  |  |
| S5-213190 | pCR TS 28.100 Add description for Table 5-1 and update corresponding figures | China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo | revised |  | S5-213517 |
| S5-213191 | pCR TS 28.100 Add figure in clause 4.3.4 Workflow | China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo | revised |  | S5-213518 |
| S5-213192 | pCR TS 28.100 Add generic autonomous network level for fault management | China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo | revised |  | S5-213519 |
| S5-213193 | pCR 28.815 Add solutions on charging for obtaining UE location by EAS from EES | Intel Finland Oy | revised |  | S5-213597 |
| S5-213194 | pCR 28.815 Add solutions on charging for Application Client information subscription and notification | Intel Finland Oy | revised |  | S5-213598 |
| S5-213195 | pCR 28.815 Add solutions on charging for ACR management event subscription and notification | Intel Finland Oy | revised |  | S5-213599 |
| S5-213196 | pCR 28.815 Evaluation of solutions for subscriber based charging for 5GS usage supporting EC | Intel Finland Oy | revised |  | S5-213600 |
| S5-213197 | Presentation of TR 28.815 for information | Intel Finland Oy | revised |  | S5-213623 |
| S5-213198 | Rel-16 CR 28.622 Replace legacy IRPAgent with MnsAgent (stage 2) | Nokia, Nokia Shanghai Bell | revised | S5-211533 | S5-213684 |
| S5-213199 | 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 |  |  |
| S5-213200 | CR Rel-17 28.533 Add ML support for MnS | Intel | not pursued |  |  |
| S5-213201 | Rel-16 CR 28.623 Replace legacy IRPAgent with MnsAgent (OpenAPI definition) | Nokia, Nokia Shanghai Bell | revised | S5-211251 | S5-213685 |
| S5-213202 | pCR 28.104 Add ML support for MDA | Intel | noted |  |  |
| S5-213203 | Rel-16 CR 28.622 Clarify a subscription is required for notifyFileReady | Nokia, Nokia Shanghai Bell | revised |  | S5-213475 |
| S5-213204 | Rel-16 CR 28.622 Clarify definition of PerfMetricJob | Nokia, Nokia Shanghai Bell | revised |  | S5-213476 |
| S5-213205 | Rel-16 CR 28.622 Clarify the notification filter applies to all parameters of a notification | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213206 | Rel-16 CR 28.622 Correct common notifications table | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213207 | Rel-16 CR 28.622 Add missing definitions of common data types | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-213208 | Rel-16 CR 28.623 Align Trace/MDT related parameters to TS 32.422 (OpenAPI definition) | Nokia, Nokia Shanghai Bell | revised |  | S5-213473 |
| S5-213209 | Rel-17 Input to DraftCR 28.537 Add requirements for file upload | Nokia, Nokia Shanghai Bell | revised |  | S5-213548 |
| S5-213210 | Rel-17 Input to DraftCR 28.537 Add requirements for producing and reporting management data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-213211 | Rel-17 Input to DraftCR 28.537 Add requirements for managing external management data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-213212 | Presentation of TR 28.814 for information | Intel Corporation (UK) Ltd | approved |  |  |
| S5-213213 | Rel. 17 CR TS 28.313 Fix non-inclusive languages | Intel Corporation (UK) Ltd | revised |  | S5-213529 |
| S5-213214 | RAN Sharing NRM support for MOCN | Ericsson LM | not pursued | S5-212270 |  |
| S5-213215 | Rel. 17 CR TS 28.313 Editorial changes to D-MRO | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-213216 | Add Scenario on Supplier NF delivery | Lenovo, Motorola Mobility, CMCC | approved |  |  |
| S5-213217 | Rel. 17 CR TS 28.313 RRM resources optimization for network slice instance(s) | Intel Corporation (UK) Ltd | agreed |  |  |
| S5-213218 | pCR 28.814 UC of UPF selection to support EAS deployment | Intel Corporation (UK) Ltd | revised |  | S5-213558 |
| S5-213219 | pCR 28.814 add solutions for EAS configuration | Intel Corporation (UK) Ltd | revised |  | S5-213559 |
| S5-213220 | pCR 28.814 add evaluation of potential solutions | Intel Corporation (UK) Ltd | revised |  | S5-213560 |
| S5-213221 | pCR 28.814 add Conclusions and recommendations | Intel Corporation (UK) Ltd | revised |  | S5-213556 |
| S5-213222 | Handling of user contest for location reporting in SON/MDT | Apple GmbH | noted |  |  |
| S5-213223 | Add key issue SBMA supporting manangement of 5G SA and NSA scenarios | Huawei Technologies (Korea) | revised |  | S5-213572 |
| S5-213224 | CR TS 32.421 Update inclusive language | Huawei | revised |  | S5-213481 |
| S5-213225 | Rel-17 pCR TS 28.104 Add coverage optimization use case and requirements | Huawei | noted |  |  |
| S5-213226 | Rel-17 pCR TS 28.104 Add the description and requirements of MDA report feedback | Huawei | withdrawn |  |  |
| S5-213227 | CR TS 28.313 MLB procedure | Huawei | not pursued |  |  |
| S5-213228 | TS 28.540 Update the requirements for for management of network slice and network slice subnet | China Mobile Com. Corporation | revised |  | S5-213494 |
| S5-213229 | Add key issue SBMA suporting management architectures and frameworks in other SDOs | Huawei Technologies (Korea) | revised |  | S5-213573 |
| S5-213230 | Add specific slice profile for TN domain | China Mobile Com. Corporation | not pursued |  | - |
| S5-213231 | Add the SLA management related requirements and procedure | China Mobile Com. Corporation | revised |  | S5-213495 |
| S5-213232 | Revised WID on EMA5SLA | China Mobile Com. Corporation | endorsed |  |  |
| S5-213233 | Rel-16 CR 28.623 Clean up regarding common data types (OpenAPI definition) | Nokia, Nokia Shanghai Bell | revised |  | S5-213478 |
| S5-213234 | pCR TS 28.100 Add a note about the relationship between the categorization of the tasks and standardized feature | AsiaInfo, CMCC, Huawei | revised |  | S5-213520 |
| S5-213235 | pCR TS 28.312 Add procedure of subsequence after the intent MOI created | AsiaInfo, Huawei | noted |  |  |
| S5-213236 | pCR 28.104 Add the common information elements of MDA reports | China Telecom Corporation Ltd. | noted |  |  |
| S5-213237 | pCR 28.104 Add the MDA functionality and service framework | China Telecom Corporation Ltd. | noted |  |  |
| S5-213238 | pCR 28.104 Add the MDA assisted energy saving | China Telecom Corporation Ltd. | noted |  |  |
| S5-213239 | New WID on SBI Supporting for Time Consumption Mechanism | Huawei | noted |  |  |
| S5-213240 | Rel-16 CR 32.255 Correct the Handover description | Huawei | revised |  | S5-213653 |
| S5-213241 | Rel-17 CR 32.255 Correct the Handover description | Huawei | revised |  | S5-213654 |
| S5-213242 | Rel-17 draftCR 32.291 Support of stateless NF | Huawei | noted |  |  |
| S5-213243 | Rel-16 CR 32.255 Correct the PRA reporting information | Huawei | revised |  | S5-213625 |
| S5-213244 | Rel-17 CR 32.255 Correct the PRA reporting information | Huawei | revised |  | S5-213626 |
| S5-213245 | Rel-16 CR 32.291 Clarify the Presence Reporting Area information | Huawei | not pursued |  |  |
| S5-213246 | Rel-16 CR 32.291 Correct the Nchf\_ OfflineOnlyCharging API resource definition | Huawei | revised |  | S5-213627 |
| S5-213247 | Rel-16 CR 32.291 Correct the Nchf\_ ConvergedCharging API resource definition | Huawei | agreed |  |  |
| S5-213248 | Rel-16 CR 32.291 Clarify the User Location information | Huawei | not pursued |  |  |
| S5-213249 | Rel-16 CR 32.240 Clarify the Charging data configuration | Huawei | revised |  | S5-213628 |
| S5-213250 | Rel-17 CR 32.240 Clarify the Charging data configuration | Huawei | revised |  | S5-213629 |
| S5-213251 | Rel-17 CR TS 32.260 Update some description of offline only charging | Huawei | revised |  | S5-213587 |
| S5-213252 | Rel-17 CR 32.290 Add IMS Information in Offline Only Charging | Huawei | revised |  | S5-213588 |
| S5-213253 | Rel-17 CR 32.255 Correct the message flow for URLLC Charging | Huawei | revised |  | S5-213593 |
| S5-213254 | Rel-17 CR 32.255 Add the definition for non-redandunt transmission | Huawei | revised |  | S5-213648 |
| S5-213255 | Rel-17 CR 32.255 Remove the editor's note about the usage reporting | Huawei | not pursued |  |  |
| S5-213256 | Rel-17 CR 32.255 Add RSN for URLLC Charging | Huawei | revised |  | S5-213646 |
| S5-213257 | Rel-17 DraftCR 32.298 Update URLLC charging information | Huawei | revised |  | S5-213604 |
| S5-213258 | Rel-17 DraftCR 32.291 Update URLLC charging information | Huawei | revised |  | S5-213649 |
| S5-213259 | Rel-17 pCR 28.815 Add the quota management for Edge charging | Huawei | noted |  |  |
| S5-213260 | Rel-17 pCR 28.815 update use case of charging for edge enabling services | Huawei | revised |  | S5-213655 |
| S5-213261 | Rel-17 pCR 28.815 architecture and solution for charging for edge enabling services | Huawei | noted |  |  |
| S5-213262 | Rel-17 pCR 28.822 Add the UDM based solution for 5G VN Group | Huawei | revised |  | S5-213613 |
| S5-213263 | Rel-17 pCR 28.822 Add the Use case for 5G VN group Communication | Huawei | approved |  |  |
| S5-213264 | Rel-17 pCR 28.822 Add the solution for traffic forwarding | Huawei | revised |  | S5-213615 |
| S5-213265 | Rel-17 pCR 32.847 Intro new requirements and KI - NS actual duration | Huawei | revised |  | S5-213643 |
| S5-213266 | Rel-17 pCR 32.847 Add interactions from NSACF to CHF with IEC | Huawei | noted |  |  |
| S5-213267 | Collection of useful endorsed document and external communication documents | Huawei Technologies (Korea) | noted | S5-212063 |  |
| S5-213268 | Rel-17 CR TS 32.160 Update on template for requirement specifications | Huawei | revised | S5-212329 | S5-213455 |
| S5-213269 | New WID on Edge Computing Management | Samsung Electronics France SA | revised |  | S5-213458 |
| S5-213270 | New measurements for the number of attempted and successfully resumed DRBs | Nokia Solutions & Networks (I) | revised |  | S5-213677 |
| S5-213271 | LS reply to SA on GSMA 3GPP Edge Computing coordination | Samsung Electronics France SA | revised |  | S5-213449 |
| S5-213272 | pCR 28.819 Usecase and requirements for CI-CD | Samsung Electronics France SA | revised |  | S5-213571 |
| S5-213273 | Rel-17 CR 32.260 Introduction of CHF selection using NRF | Nokia, Nokia Shanghai Bell | revised |  | S5-213589 |
| S5-213274 | Rel-17 CR 32.260 Introduction of IMS converged charging architecture in Reference Points | Nokia, Nokia Shanghai Bell | revised |  | S5-213590 |
| S5-213275 | Rel-17 CR 32.240 Correction on Reference Points on 5GS | Nokia, Nokia Shanghai Bell | revised |  | S5-213638 |
| S5-213276 | Rel-17 CR 32.255 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | revised |  | S5-213639 |
| S5-213277 | Rel-17 CR 32.254 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | revised |  | S5-213640 |
| S5-213278 | Rel-17 CR 32.274 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | revised |  | S5-213641 |
| S5-213279 | Rel-16 CR 32.255 Correction on support of CHF set | Nokia, Nokia Shanghai Bell, Matrixx | agreed |  |  |
| S5-213280 | Rel-17 CR 32.255 Correction on support of CHF set | Nokia, Nokia Shanghai Bell, Matrixx | agreed |  |  |
| S5-213281 | Rel-16 CR 32.290 Correction on support of CHF set and CHF service set | Nokia, Nokia Shanghai Bell, Matrixx | revised |  | S5-213644 |
| S5-213282 | Rel-17 CR 32.290 Correction on support of CHF set and CHF service set | Nokia, Nokia Shanghai Bell, Matrixx | revised |  | S5-213645 |
| S5-213283 | Rel-16 CR 32.291 Correction on Presence Reporting Areas(s) subscription in AMF | Nokia, Nokia Shanghai Bell | revised |  | S5-213630 |
| S5-213284 | Rel-16 CR 32.291 Correction on missing binding attributes | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213285 | Rel-17 CR 32.251 Introduction of PSCell ID in SGW CDR | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213286 | Rel-17 CR 32.251 Correction on Secondary RAT reporting | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213287 | Rel-17 CR 28.535 Targeted ACCL | Samsung Electronics France SA | not pursued |  | - |
| S5-213288 | pCR TS 28.312 IntentExpectation Datatype definition | Samsung Electronics France SA | noted |  |  |
| S5-213289 | GSMA/IDS - Billing and Charging Evolution (BCE) Introduction | Orange | noted |  |  |
| S5-213290 | pCR 28.819 Add Explanation for related work in ETSI | China Mobile Com. Corporation, Lenovo, Motorola Mobility | revised |  | S5-213569 |
| S5-213291 | pCR 28.819 Add Explanation for Single and Multiple NF Suppliers CI-CD | China Mobile Com. Corporation, Lenovo, Motorola Mobility | approved |  |  |
| S5-213292 | Discussion on support of SBA capable IMS in 5G NRM | Orange | noted |  |  |
| S5-213293 | Discussion on modelling inter-operator network slice | Orange | noted |  |  |
| S5-213294 | LS reply to GSMA ccSA5 Operator Platform Group on edge computing definition and integration | ETSI ISG MEC | noted |  |  |
| S5-213295 | LS on NG.116 support of service categories | GSMA | noted |  |  |
| S5-213296 | pCR TR 28.813 Conclusion for Key Issue No. 1 | Orange, AT&T, Deutsche Telekom | revised |  | S5-213554 |
| S5-213297 | LS reply to 3GPP SA5 on Network Slice EE KPIs | GSMA | postponed |  |  |
| S5-213298 | pCR T 28.813 Reorganisation of Key Issue #2 | Orange, Deutsche Telekom | revised |  | S5-213550 |
| S5-213299 | pCR TR 28.813 Conclusion to DV based EE KPI for 5GC key issue | Orange, AT&T, Deutsche Telekom | revised |  | S5-213555 |
| S5-213300 | Rel-17 CR TS 28.554 Add Energy Consumption KPI pour 5G NF and 5G CN | Orange, AT&T, Deutsche Telekom | revised |  | S5-213534 |
| S5-213301 | Rel-17 CR TS 28.554 Add EE KPI for eMBB network slice based on RAN meas | Orange, AT&T, Deutsche Telekom | revised |  | S5-213535 |
| S5-213302 | Rel-16 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | revised |  | S5-213631 |
| S5-213303 | Rel-16 CR 28.622 Clarify model for managed management functions | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-213304 | Discussion on LS from GSMA on Network Slice EE KPI | Orange | endorsed |  |  |
| S5-213305 | Rel-17 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | revised |  | S5-213632 |
| S5-213306 | Rel-16 CR 32.291 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | revised |  | S5-213633 |
| S5-213307 | Rel-17 pCR 28.816 update use case | Huawei | revised |  | S5-213650 |
| S5-213308 | Rel-17 pCR 28.816 update content in use case mapping | Huawei | approved |  |  |
| S5-213309 | Rel-17 pCR 28.816 add key issues | Huawei | revised |  | S5-213656 |
| S5-213310 | Rel-17 pCR 28.816 add potential solution for 5G data connectivity domain charging | Huawei | noted |  |  |
| S5-213311 | Rel-17 pCR 28.816 add potential solution for control plane data transfer domain charging | Huawei | noted |  |  |
| S5-213312 | Rel-17 pCR 28.816 add potential solution for north bound API charging | Huawei | revised |  | S5-213651 |
| S5-213313 | Rel-17 CR TS 28.541 Add Energy efficiency attribute | Orange | revised |  | S5-213533 |
| S5-213314 | Rel-16 CR 32.298 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | revised |  | S5-213634 |
| S5-213315 | TR 32.847 – Solution for Key Issue #1 based on new charging service | Matrixx | revised |  | S5-213621 |
| S5-213316 | Rel-17 CR 28.554 Update the Accessibility KPI to cover RRC Resume | Ericsson LM | revised | S5-212068 | S5-213678 |
| S5-213317 | Rel-16 CR TS28.310 Update on energy saving management services | Huawei Telecommunication India | agreed |  |  |
| S5-213318 | Rel-17 CR TS28.310 Update on energy saving management services | Huawei Telecommunication India | agreed |  |  |
| S5-213319 | Add missing Alarm Requirements and Use Cases | Ericsson LM | agreed | S5-212353 |  |
| S5-213320 | Rel-16 CR TS 28.313 Update of PCI configuration for C-SON | Huawei Telecommunication India | not pursued |  |  |
| S5-213321 | pCR TS28.104 add MDA role to the MDA in management loop clause | NEC Europe Ltd, Intel | noted |  |  |
| S5-213322 | Rel-17 CR TS 28.313 Update of PCI configuration for C-SON | Huawei Telecommunication India | not pursued |  |  |
| S5-213323 | pCR TS28.104 add text for the scope | NEC Europe Ltd, Intel | noted |  |  |
| S5-213324 | Rel-17 CR TS28.310 Update of the EE KPIs Overview | Huawei Telecommunication India | revised |  | S5-213536 |
| S5-213325 | pCR TS28.104 add abbreviations and an overview to the concepts and overview subclause | NEC Europe Ltd, Intel | noted |  |  |
| S5-213326 | Rel-17 CR 28.541 Add energy efficiency to serviceprofile and sliceprofile | Huawei Telecommunication India | merged |  | S5-213533 |
| S5-213327 | pCR draft TS28.104 add text to MDA functionality and service framework clause | NEC Europe Ltd, Intel | noted |  |  |
| S5-213328 | DP on assurance policy for closed control loop | Huawei Technologies Japan K.K. | noted |  |  |
| S5-213329 | DP on assurance report for closed control loop | Huawei Technologies Japan K.K. | revised |  | S5-213527 |
| S5-213330 | Adding Signalling Based Activation for LTE | Ericsson LM | revised |  | S5-213509 |
| S5-213331 | Rel-17 Input to draftCR TS 28.536 Add assurance policy for closed control loop | Huawei Technologies Japan K.K. | noted |  |  |
| S5-213332 | Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop | Huawei Technologies Japan K.K. | revised |  | S5-213528 |
| S5-213333 | Rel-17 Input to draftCR S5-212397 TS 28.535 Update coordination betwee closed control loops | Huawei Technologies Japan K.K. | noted |  |  |
| S5-213334 | Rel-17 CR TS 28.535 Add use case of incident resolution for SLS assurance | Huawei Technologies Japan K.K. | not pursued |  |  |
| S5-213335 | New SID on Nchf charging service phase 2 | Ericsson LM | revised |  | S5-213606 |
| S5-213336 | New SID on 5G charging for local breakout scenarios | Ericsson LM | revised |  | S5-213607 |
| S5-213337 | Rel-17 CR 32.260 Correcting capturing of missing location information | Ericsson LM | revised |  | S5-213642 |
| S5-213338 | Rel-16 CR 32.298 Correcting IPv6 text description | Ericsson LM | revised |  | S5-213614 |
| S5-213339 | Rel-16 CR 32.274 Correcting SMS Result coding | Ericsson LM | revised |  | S5-213635 |
| S5-213340 | Rel-16 CR 32.298 Correcting SMS Result coding | Ericsson LM | not pursued |  |  |
| S5-213341 | Rel-16 CR 32.290 Correcting of sequence number interpretation | Ericsson LM | not pursued |  |  |
| S5-213342 | Rel-17 CR 32.290 Correcting of sequence number interpretation | Ericsson LM | not pursued |  |  |
| S5-213343 | Rel-16 CR 32.291 Correcting of sequence number interpretation | Ericsson LM | not pursued |  |  |
| S5-213344 | Rel-16 CR 32.255 Correcting of sequence number interpretation | Ericsson LM | not pursued |  |  |
| S5-213345 | Rel-17 CR 32.255 Correcting of sequence number interpretation | Ericsson LM | not pursued |  |  |
| S5-213346 | Rel-16 CR 32.255 Correcting handling of volume quota threshold per UPF | Ericsson LM | not pursued |  |  |
| S5-213347 | Rel-17 CR 32.255 Correcting handling of volume quota threshold per UPF | Ericsson LM | not pursued |  |  |
| S5-213348 | Rel-16 CR 32.298 Correcting multiple presence reporting area information | Ericsson LM | agreed |  |  |
| S5-213349 | Rel-17 CR 32.291 Correcting of reporting errors in notification responses | Ericsson LM | withdrawn |  |  |
| S5-213350 | Rel-16 CR 32.291 Correcting feature handling for ETSUN | Ericsson LM | revised |  | S5-213622 |
| S5-213351 | Rel-16 CR 32.291 Correcting timestamp definition | Ericsson LM | withdrawn |  |  |
| S5-213352 | Rel-17 CR 32.291 Correcting filter rule as list | Ericsson LM | not pursued |  |  |
| S5-213353 | Rel-17 CR 32.275 Adding CHF announcement handling | Ericsson LM | revised |  | S5-213591 |
| S5-213354 | Rel-17 CR 32.275 Adding converged charging flows | Ericsson LM | revised |  | S5-213647 |
| S5-213355 | Rel-17 CR 32.275 Adding converged charging data description | Ericsson LM | revised |  | S5-213592 |
| S5-213356 | Rel-17 pCR 28.815 Correction of subscription for EAS deployment | Ericsson LM | revised |  | S5-213601 |
| S5-213357 | Rel-17 pCR 28.815 Correction of use cases | Ericsson LM | revised |  | S5-213602 |
| S5-213358 | Rel-17 pCR 32.846 Adding CTF based architecture for direct communication | Ericsson LM | revised |  | S5-213610 |
| S5-213359 | Rel-17 pCR 32.847 Adding event based solution to key issue 5 | Ericsson LM | approved |  |  |
| S5-213360 | Rel-17 pCR 32.847 Adding session based solution to key issue 5 | Ericsson LM | approved |  |  |
| S5-213361 | Rel-17 Input to DraftCR 28.622 Add solution for storing management data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-213362 | Rel-17 Input to DraftCR 28.622 Add solution for discovering management data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-213363 | Rel-17 Input to DraftCR 28.622 Add solution for managing external management data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-213364 | Rel-17 DP Specification methodology and TS restructuring for better readability | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-213365 | Rel-17 Input to DraftCR 28.537 Add MnS discovery requirements | Nokia, Nokia Shanghai Bell | revised |  | S5-213540 |
| S5-213366 | 28.817 use case - granular access control for internal MnS consumer | Nokia, Nokia Shanghai Bell, TELEFONICA S.A. | approved |  |  |
| S5-213367 | 28.817 use case - integrate with existing AAA system of operator | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-213368 | 28.811 use case - support network slice protection on N6 interface | Nokia, Nokia Shanghai Bell | revised |  | S5-213576 |
| S5-213369 | 28.811 use case - support Network Slice Specific Authentication | Nokia, Nokia Shanghai Bell | revised |  | S5-213562 |
| S5-213370 | 28.811 use case - support isolation in network slice subnet | Nokia, Nokia Shanghai Bell | revised |  | S5-213506 |
| S5-213371 | 28.811 more consideration on network slice covering multiple networks | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | merged |  | S5-213563 |
| S5-213372 | CR 28.541 enhance 5GC NRM to support netework slice admission control. | Nokia, Nokia Shanghai Bell | revised |  | S5-213497 |
| S5-213373 | TD enhance 5GC NRM to support plug and play of 5GC NF | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-213374 | Refine Forge process in SA5 Working Procedures | Nokia, Nokia Shanghai Bell | merged |  | S5-213690 |
| S5-213375 | Rel16 CR 28.541 Update OpenAPI to adapt change in 28.623 | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-213376 | Rel16 CR 28.541 Add note for RRMPolicy | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-213377 | Rel17 CR 28.541 Add note for RRMPolicy | Nokia, Nokia Shanghai Bell | revised |  | S5-213465 |
| S5-213378 | Rel17 CR 28.541 Inclusive language review fixing | Nokia, Nokia Shanghai Bell | revised |  | S5-213470 |
| S5-213379 | LS on progress of study items for security on management aspec | Nokia, Nokia Shanghai Bell | revised |  | S5-213456 |
| S5-213380 | Rel-16 CR 28.541 fix editorial issue of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | revised |  | S5-213466 |
| S5-213381 | Rel-17 CR 28.541 fix editorial issue of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | revised |  | S5-213467 |
| S5-213382 | Rel-16 CR 28.541 fix inheritance relation of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | revised |  | S5-213468 |
| S5-213383 | Rel-17 CR 28.541 fix inheritance relation of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | revised |  | S5-213469 |
| S5-213384 | Rel-16 CR 28.541 fix cardinality on the NetworkSlice to NetworkSliceSubnet relationship | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | not pursued |  |  |
| S5-213385 | Rel-17 CR 28.541 fix cardinality on the NetworkSlice to NetworkSliceSubnet relationship | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | not pursued |  |  |
| S5-213386 | Rel-16 CR 28.552 Fix definition of measurement Average delay DL on F1-U | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213387 | Rel-17 CR 28.552 Fix definition of measurement Average delay DL on F1-U | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213388 | Rel-16 CR 28.623 Correct definition of additionalInformation (YANG) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-213389 | pCR 28.104 add alarm incident analysis | Huawei | noted | S5-213133 |  |
| S5-213390 | 28.824 Add Introduction to TR 28.824 | Alibaba Group | noted |  |  |
| S5-213391 | 28.824 Add Description of Concept and Roles to TR 28.824 | Alibaba Group | revised |  | S5-213566 |
| S5-213392 | 28.824 use case - Network slice management capability exposure | Alibaba Group | revised |  | S5-213658 |
| S5-213393 | 28.824 NR and 5GC management capability exposure | Alibaba Group | revised |  | S5-213564 |
| S5-213394 | 28.824 solution - Permission rule for network management capability exposure | Alibaba Group | noted |  |  |
| S5-213395 | pCR TS 28.104 Add MDA report related common attributes | HuaWei Technologies Co., Ltd | noted | S5-213062 |  |
| S5-213396 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | not pursued |  |  |
| S5-213397 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | not pursued |  |  |
| S5-213398 | Add Exception Reporting Support to PM File Format Definition | Ericsson LM | not pursued |  |  |
| S5-213399 | Correction of 5QI definitions in NRM | Ericsson LM | revised |  | S5-213508 |
| S5-213400 | Rel-17 CR TS 28.541 Enhance the NRM definitions to support NG-RAN network sharing | ZTE Corporation | not pursued |  |  |
| S5-213401 | Rel-17 CR TS 32.130 add mixed NG-RAN sharing use case and requirements | ZTE Corporation | revised |  | S5-213542 |
| S5-213402 | Rel-17 CR TS 32.130 add NG-RAN sharing isolation use case and requirements | ZTE Corporation | not pursued |  |  |
| S5-213403 | Discussion on MOCN NG-RAN network sharing | ZTE Corporation | noted |  |  |
| S5-213404 | LS to TM Forum on Intent Management | Ericsson LM | revised |  | S5-213522 |
| S5-213405 | Discussion, Requirements, use cases and services for C-PCI | Ericsson France S.A.S | noted |  |  |
| S5-213406 | Rel-17 CR 28.313 Requirements, use cases and services for C-PCI | Ericsson France S.A.S | not pursued |  |  |
| S5-213407 | Rel-17 CR 28.552 CHO Measurements | Ericsson France S.A.S | revised | S5-212290 | S5-213530 |
| S5-213408 | Rel-17 Input to draft CR 28.313 CHO Requirements | Ericsson France S.A.S | noted | S5-206212 |  |
| S5-213409 | Discussion on Intent Management | Ericsson LM | revised |  | S5-213521 |
| S5-213410 | R17 CR TS28.535 Use case for feasibility check of an ACCL goal | Lenovo, Motorola Mobility | not pursued |  |  |
| S5-213411 | LS to ETSI NFV TST informing on start of study on CI-CD | Lenovo, Motorola Mobility, CMCC | noted |  |  |
| S5-213412 | Correction on mapping GST attributes | Ericsson LM | revised |  | S5-213496 |
| S5-213413 | pCR R17 28.925 TS investigation | Ericsson | revised |  | S5-213574 |
| S5-213414 | Changing requirement methodology in SA5 | Ericsson | revised |  | S5-213453 |
| S5-213415 | List of Approved DraftCRs | WG Vice Chair (Nokia) | revised |  | S5-213586 |
| S5-213416 | Correct inconsistencies in definitions around network slice management | Ericsson LM | agreed |  |  |
| S5-213417 | Functionality of YANG-Push | Ericsson Hungary Ltd | revised |  | S5-213675 |
| S5-213418 | Correct inconsistencies in definitions around network slice management | Ericsson LM | agreed |  |  |
| S5-213419 | Using YANG-Push | Ericsson Hungary Ltd | revised |  | S5-213676 |
| S5-213420 | Add PMs on inter-gNB successful and failed handover execution per beam pair | Nokia Germany | revised |  | S5-213679 |
| S5-213421 | Usage of slice input parameters | Ericsson LM | not pursued |  |  |
| S5-213422 | pCR 28.557 Reorganization of clause 4 | TELEFONICA S.A. | approved |  |  |
| S5-213423 | Enhance 5G Core AMF NRM fragment | Nokia Germany | not pursued |  |  |
| S5-213424 | pCR 28.557 Add NG-RAN related management requirements | TELEFONICA S.A. | revised |  | S5-213483 |
| S5-213425 | Rel-16 CR 32.298 Correcting timestamp definition | Ericsson LM | not pursued |  |  |
| S5-213426 | Discussion paper on eCosla | Ericsson LM | noted |  |  |
| S5-213427 | Enhanced service level management for network slicing | Ericsson LM | noted |  |  |
| S5-213428 | Update to multi-operator scenario | Ericsson LM | revised |  | S5-213563 |
| S5-213429 | External exposure via BSS | Ericsson LM | revised |  | S5-213565 |
| S5-213430 | Remove description of communication service lifecycle | Ericsson LM, Deutsche Telekom | agreed |  |  |
| S5-213431 | Update description of management control loops | Ericsson LM, Deutsche Telekom AG | not pursued |  |  |
| S5-213432 | Update management control loops with lifecycle description | Ericsson LM, Deutsche Telekom | revised |  | S5-213464 |
| S5-213433 | YANG-Push Impact on Specifications | Ericsson Hungary Ltd | noted |  |  |
| S5-213434 | Clarify intelligence in clause 4 | Ericsson LM, Deutsche Telekom | agreed |  |  |
| S5-213435 | Re-introduce business level use cases | Ericsson LM, Huawei, Deutsche Telekom | agreed |  |  |
| S5-213436 | Remove description of communication service lifecycle | Ericsson LM, Deutsche Telekom | agreed |  |  |
| S5-213437 | Update description of management control loops | Ericsson LM, Deutsche Telekom | not pursued |  |  |
| S5-213438 | Update management control loops with lifecycle description | Ericsson LM, Deutsche Telekom | revised |  | S5-213524 |
| S5-213439 | Rel-16 28.541 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd | revised |  | S5-213459 |
| S5-213440 | Rel-17 28.541 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd | revised |  | S5-213460 |
| S5-213441 | Draft LS reply to ITU-T LS on methodology harmonization and REST-based network management framework | Nokia, Nokia Shanghai Bell | revised | - | S5-213454 |
| S5-213442 | LS on UPF support for multiple network slices | C4-212560 | replied to | - | - |
| S5-213443 | Reply LS on Operator Platform Group on edge computing definition and integration. | Samsung | approved | - | - |
| S5-213444 | Reply to: LS on Multi-SDO Autonomous Networks (AN) Formal Liaison:  19th April 2021 Meeting Invitation, agenda, Bridge, and  Meeting Schedule | current meeting | approved | - | - |
| S5-213445 | Reply to: LS on EDGEAPP | Samsung | approved | - | - |
| S5-213446 | Reply to: LS on slicing management aspects in relation to SEAL | Ericsson | noted | - | - |
| S5-213447 | Reply to: LS on UPF support for multiple network slices | ZTE | approved | - | - |
| S5-213448 | LS to SA on 5G capabilities exposure for factories of the future - revised | Huawei | approved | - | - |
| S5-213449 | LS reply to SA on GSMA 3GPP Edge Computing coordination | Samsung Electronics France SA | approved | S5-213271 | - |
| S5-213450 | (reserved) | OAM1 | withdrawn | - | - |
| S5-213451 | DraftCR for 28.537 FIMA | Nokia | approved | - | - |
| S5-213452 | SA5 meeting calendar | WG CHair | noted | S5-213013 | - |
| S5-213453 | Changing requirement methodology in SA5 | Ericsson | endorsed | S5-213414 | - |
| S5-213454 | Reply to: Resubmitted LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-204647) | Nokia | approved | S5-213441 | - |
| S5-213455 | Rel-17 CR TS 32.160 Update on template for requirement specifications | Huawei | agreed | S5-213268 | - |
| S5-213456 | LS on progress of study items for security on management aspec | Nokia, Nokia Shanghai Bell | approved | S5-213379 | - |
| S5-213457 | New SID on Management Aspects of 5G Network Sharing | China Unicom | agreed | S5-213174 | - |
| S5-213458 | New WID on Edge Computing Management | Samsung Electronics France SA | agreed | S5-213269 | - |
| S5-213459 | Rel-16 28.541 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd,Samsung | agreed | S5-213439 | - |
| S5-213460 | Rel-17 28.541 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd | agreed | S5-213440 | - |
| S5-213461 | Rel-15 CR 28.531 CR Clarify misleading information in network slicing use cases | Huawei,Orange | agreed | S5-213123 | - |
| S5-213462 | Rel-16 CR 28.531 CR Clarify misleading information in network slicing use cases | Huawei,Orange | agreed | S5-213124 | - |
| S5-213463 | Rel-16 CR 28.532 Correct definitions for file management (stage 2, REST SS, OpenAPI definition) | Nokia, Nokia Shanghai Bell | agreed | S5-213106 | - |
| S5-213464 | Update management control loops with lifecycle description | Ericsson LM, Deutsche Telekom | agreed | S5-213432 | - |
| S5-213465 | Rel17 CR 28.541 Add note for RRMPolicy | Nokia, Nokia Shanghai Bell | agreed | S5-213377 | - |
| S5-213466 | Rel-16 CR 28.541 fix editorial issue of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | agreed | S5-213380 | - |
| S5-213467 | Rel-17 CR 28.541 fix editorial issue of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | agreed | S5-213381 | - |
| S5-213468 | Rel-16 CR 28.541 fix inheritance relation of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | agreed | S5-213382 | - |
| S5-213469 | Rel-17 CR 28.541 fix inheritance relation of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | agreed | S5-213383 | - |
| S5-213470 | Rel17 CR 28.541 Inclusive language review fixing | Nokia, Nokia Shanghai Bell | agreed | S5-213378 | - |
| S5-213471 | Rel-16 CR 28.622 Addition, adaptation and cleanup of Trace/MDT related parameters (stage2) | Nokia, Nokia Shanghai Bell | agreed | S5-213107 | - |
| S5-213472 | Rel-16 CR 28.623 Addition, adaptation and cleanup of Trace/MDT related parameters (stage 3) | Nokia, Nokia Shanghai Bell | agreed | S5-213187 | - |
| S5-213473 | Rel-16 CR 28.623 Align Trace/MDT related parameters to TS 32.422 (OpenAPI definition) | Nokia, Nokia Shanghai Bell | agreed | S5-213208 | - |
| S5-213474 | Rel-17 CR 32.422 Correction, alignment and cleanup of Trace/MDT related parameters | Nokia, Nokia Shanghai Bell,Ericsson | agreed | S5-213116 | - |
| S5-213475 | Rel-16 CR 28.622 Clarify a subscription is required for notifyFileReady | Nokia, Nokia Shanghai Bell | agreed | S5-213203 | - |
| S5-213476 | Rel-16 CR 28.622 Clarify definition of PerfMetricJob | Nokia, Nokia Shanghai Bell | agreed | S5-213204 | - |
| S5-213477 | pCR TS 28.312 Update Clause 4.2 and Clause 4.4 | Huawei,China Mobile,AsiaInfo | approved | S5-213168 | - |
| S5-213478 | Rel-16 CR 28.623 Clean up regarding common data types (OpenAPI definition) | Nokia, Nokia Shanghai Bell | agreed | S5-213233 | - |
| S5-213479 | Rel-16 CR 32.158 Correct definitions of resource creation | Nokia, Nokia Shanghai Bell | agreed | S5-213108 | - |
| S5-213480 | Rel-16 CR 32.160 Change format for NRM stage 3 definition rules from JSON to YAML | Nokia, Nokia Shanghai Bell | agreed | S5-213104 | - |
| S5-213481 | CR TS 32.421 Update inclusive language | Huawei | agreed | S5-213224 | - |
| S5-213482 | pCR 28.557 Add requirements to support management of CAG | Huawei | approved | S5-213085 | - |
| S5-213483 | pCR 28.557 Add NG-RAN related management requirements | TELEFONICA S.A. | approved | S5-213424 | - |
| S5-213484 | pCR 28.557 Modify different management modes of NPN | Huawei | approved | S5-213081 | - |
| S5-213485 | pCR 28.557 requirements of management capability exposure for different management modes of NPN | Huawei | approved | S5-213082 | - |
| S5-213486 | pCR 28.557 Add Generic requirements for management of NPN | Huawei | approved | S5-213083 | - |
| S5-213487 | perfReq mapping to domain specific attributes | Ericsson LM,China mobile,Huawei | agreed | S5-213117 | - |
| S5-213488 | Rel-17 CR 28.541 Add positioning support in RANSliceSubnetProfile | Huawei, China Mobile | agreed | S5-213090 | - |
| S5-213489 | Rel-17 CR 28.541 OpenAPI of adding positioning support in RANSliceSubnetProfile | Huawei, China Mobile | agreed | S5-213091 | - |
| S5-213490 | Rel-17 CR 28.541 Add synchronicity support in RANSliceSubnetProfile | Huawei, China Mobile | agreed | S5-213092 | - |
| S5-213491 | Rel-17 CR 28.541 OpenAPI of adding synchronicity support in RANSliceSubnetProfile | Huawei, China Mobile | agreed | S5-213093 | - |
| S5-213492 | Rel-17 CR 28.541 Update throughput NRM stage 2 | Huawei, China Mobile | withdrawn | - | - |
| S5-213493 | Rel-17 CR 28.541 OpenAPI changes of updating throughput NRM stage 2 | Huawei, China Mobile | withdrawn | - | - |
| S5-213494 | TS 28.540 Update the requirements for for management of network slice and network slice subnet | China Mobile Com. Corporation | agreed | S5-213228 | - |
| S5-213495 | Add the SLA management related requirements and procedure | China Mobile Com. Corporation | agreed | S5-213231 | - |
| S5-213496 | Correction on mapping GST attributes | Ericsson LM, Huawei, China Mobile | agreed | S5-213412 | - |
| S5-213497 | CR 28.541 enhance 5GC NRM to support netework slice admission control. | Nokia, Nokia Shanghai Bell | agreed | S5-213372 | - |
| S5-213498 | Rel-16 CR 32.422 Correction, alignment and cleanup of Trace/MDT related parameters | Ericsson LM | agreed | S5-213055 | - |
| S5-213499 | Reply to: Resubmitted LS to SA5 on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | Ericsson | approved | S5-213179 | - |
| S5-213500 | Add MDT polluted measurement indication for trace record in NR | Ericsson LM | agreed | S5-213177 | - |
| S5-213501 | Add new adminstrative messages in GPB trace record format | Ericsson LM | agreed | S5-213054 | - |
| S5-213502 | Rel-17 CR TS 28.541 Enhansement of NRM definition for the NWDAF | Huawei | agreed | S5-213137 | - |
| S5-213503 | Rel-17 CR TS 28.541 OpenAPI Enhansement of NRM definition for the NWDAF | Huawei | agreed | S5-213138 | - |
| S5-213504 | Rel-17 CR TS 28.541 improve the readability of EP\_Transport | Huawei | agreed | S5-213160 | - |
| S5-213505 | Rel-17 CR TS 28.531Add reference to EP\_transport for transport network requirements | Huawei | agreed | S5-213161 | - |
| S5-213506 | 28.811 use case - support isolation in network slice subnet | Nokia, Nokia Shanghai Bell | approved | S5-213370 | - |
| S5-213507 | Repairing-Splitting 28.541 | Ericsson Hungary Ltd | endorsed | S5-213041 | - |
| S5-213508 | Correction of 5QI definitions in NRM | Ericsson LM | agreed | S5-213399 | - |
| S5-213509 | Adding Signalling Based Activation for LTE | Ericsson LM | approved | S5-213330 | - |
| S5-213510 | Definition of the Total DRB Accessibility KPI | Nokia Solutions & Networks (I) | agreed | S5-213052 | - |
| S5-213511 | New measurement for number of normally released calls (QCI1 E-RAB) initiated by MME in RLF detected conditions | Nokia Solutions & Networks (I) | agreed | S5-213111 | - |
| S5-213512 | Comments on S5-213417rev1 pCR 28.818 Functionality of YANG-Push | Nokia | noted | - | - |
| S5-213513 | Presentation sheet of TR 28.813 for information | ORANGE | approved | - | - |
| S5-213514 | pCR TS 28.100 Add requirements for generic autonomous network level for network optimization | Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo | approved | S5-213162 | - |
| S5-213515 | pCR TS 28.100 Update several existing classification of autonomous network level | Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo | approved | S5-213163 | - |
| S5-213516 | pCR TS 28.100 Add generic autonomous network level for RAN NE deployment | Huawei,China Mobile,China Telecom, China Unicom,AsiaInfo | approved | S5-213164 | - |
| S5-213517 | pCR TS 28.100 Add description for Table 5-1 and update corresponding figures | China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo | approved | S5-213190 | - |
| S5-213518 | pCR TS 28.100 Add figure in clause 4.3.4 Workflow | China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo | approved | S5-213191 | - |
| S5-213519 | pCR TS 28.100 Add generic autonomous network level for fault management | China Mobile, Huawei, China Telecom, China Unicom, AsiaInfo | approved | S5-213192 | - |
| S5-213520 | pCR TS 28.100 Add a note about the relationship between the categorization of the tasks and standardized feature | AsiaInfo, CMCC, Huawei | approved | S5-213234 | - |
| S5-213521 | Discussion on Intent Management | Ericsson LM | approved | S5-213409 | - |
| S5-213522 | LS to TM Forum on Intent Management | Ericsson LM | approved | S5-213404 | - |
| S5-213523 | pCR 28.556 add policy management procedures | China Mobile Com. Corporation | approved | S5-213017 | - |
| S5-213524 | Update management control loops with lifecycle description | Ericsson LM, Deutsche Telekom | agreed | S5-213438 | - |
| S5-213525 | Rel-17 CR 38.536 Moving Assurance Observed and Predicted | Samsung Electronics France SA | agreed | S5-213103 | - |
| S5-213526 | Rel-17 CR TS 28.536 Improve the readabililty of closed control loop NRM fragment | Huawei | agreed | S5-213170 | - |
| S5-213527 | DP on assurance report for closed control loop | Huawei Technologies Japan K.K. | revised | S5-213329 | S5-213687 |
| S5-213528 | Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop | Huawei Technologies Japan K.K. | revised | S5-213332 | S5-213688 |
| S5-213529 | Rel. 17 CR TS 28.313 Fix non-inclusive languages | Intel Corporation (UK) Ltd | agreed | S5-213213 | - |
| S5-213530 | Rel-17 CR 28.552 CHO Measurements | Ericsson France S.A.S | agreed | S5-213407 | - |
| S5-213531 | Rel-17 CR 28.310 Update on energy efficiency of URLLC network slice | Huawei | agreed | S5-213079 | - |
| S5-213532 | Rel-17 CR 28.554 Update on energy efficiency of URLLC network slice | Huawei | agreed | S5-213080 | - |
| S5-213533 | Rel-17 CR TS 28.541 Add Energy efficiency attribute | Orange,Huawei | agreed | S5-213313 | - |
| S5-213534 | Rel-17 CR TS 28.554 Add Energy Consumption KPI pour 5G NF and 5G CN | Orange, AT&T, Deutsche Telekom | agreed | S5-213300 | - |
| S5-213535 | Rel-17 CR TS 28.554 Add EE KPI for eMBB network slice based on RAN meas | Orange, AT&T, Deutsche Telekom | agreed | S5-213301 | - |
| S5-213536 | Rel-17 CR TS28.310 Update of the EE KPIs Overview | Huawei Telecommunication India | agreed | S5-213324 | - |
| S5-213537 | Rel-17 draftCR 28.622 Add IOC for discovery of management services | Huawei | approved | - | - |
| S5-213538 | Rel-17 draftCR 28.623 Add IOC for discovery of management services | Huawei | approved | - | - |
| S5-213539 | Rel-17 Input to draft CR 28.533 Add details of MnS discovery service | Huawei | approved | S5-213127 | - |
| S5-213540 | Rel-17 Input to DraftCR 28.537 Add MnS discovery requirements | Nokia, Nokia Shanghai Bell | approved | S5-213365 | - |
| S5-213541 | Rel-17 CR TS 32.130 Add requirememts for management support for 5G MOCN network sharing scenario with multiple Cell Identity | Huawei,China Mobile,Ericsson,China Telecom | agreed | S5-213173 | - |
| S5-213542 | Rel-17 CR TS 32.130 add mixed NG-RAN sharing use case and requirements | ZTE Corporation | agreed | S5-213401 | - |
| S5-213543 | Rel-17 pCR 28.314 PnC Concepts and Requirements - Scope | Ericsson Inc | approved | S5-213067 | - |
| S5-213544 | Rel-17 pCR 28.315 PnC Procedure flows - Clauses | Ericsson Inc | approved | S5-213070 | - |
| S5-213545 | Rel-17 pCR 28.315 PnC Procedure flows - Scope | Ericsson Inc | approved | S5-213071 | - |
| S5-213546 | Rel-17 pCR 28.316 PnC Data formats - Clauses | Ericsson Inc | approved | S5-213074 | - |
| S5-213547 | Rel-17 pCR 28.316 PnC Data formats - Scope | Ericsson Inc | approved | S5-213075 | - |
| S5-213548 | Rel-17 Input to DraftCR 28.537 Add requirements for file upload | Nokia, Nokia Shanghai Bell | approved | S5-213209 | - |
| S5-213549 | pCR 28.813 on KPI of energy efficiency of URLLC type of network slice | China Telecom Corporation Ltd. | approved | S5-213140 | - |
| S5-213550 | pCR T 28.813 Reorganisation of Key Issue #2 | Orange, Deutsche Telekom,China Telecom | approved | S5-213298 | - |
| S5-213551 | Discussion Paper on Useful Output Measurement Solutions | China Telecom Corporation Ltd. | approved | S5-213143 | - |
| S5-213552 | pCR 28.813 Potential solution for Key Issue #6 | Huawei | approved | S5-213077 | - |
| S5-213553 | pCR 28.813 Potential solution for Key Issue #7 | Huawei | approved | S5-213078 | - |
| S5-213554 | pCR TR 28.813 Conclusion for Key Issue No. 1 | Orange, AT&T, Deutsche Telekom | approved | S5-213296 | - |
| S5-213555 | pCR TR 28.813 Conclusion to DV based EE KPI for 5GC key issue | Orange, AT&T, Deutsche Telekom | approved | S5-213299 | - |
| S5-213556 | pCR 28.814 add Conclusions and recommendations | Intel Corporation (UK) Ltd,Samsung | approved | S5-213221 | - |
| S5-213557 | pCR 28.814 clarify EAS deployment solution using EASLcm IOC | Huawei | approved | S5-213131 | - |
| S5-213558 | pCR 28.814 UC of UPF selection to support EAS deployment | Intel Corporation (UK) Ltd | approved | S5-213218 | - |
| S5-213559 | pCR 28.814 add solutions for EAS configuration | Intel Corporation (UK) Ltd | approved | S5-213219 | - |
| S5-213560 | pCR 28.814 add evaluation of potential solutions | Intel Corporation (UK) Ltd | approved | S5-213220 | - |
| S5-213561 | pCR 28.811 Add potential requirements | Huawei | approved | S5-213128 | - |
| S5-213562 | 28.811 use case - support Network Slice Specific Authentication | Nokia, Nokia Shanghai Bell | approved | S5-213369 | - |
| S5-213563 | Update to multi-operator scenario | Ericsson LM,Nokia,Hewlett Packard Enterprise | approved | S5-213428 | - |
| S5-213564 | 28.824 NR and 5GC management capability exposure | Alibaba Group | approved | S5-213393 | - |
| S5-213565 | External exposure via BSS | Ericsson LM | approved | S5-213429 | - |
| S5-213566 | 28.824 Add Description of Concept and Roles to TR 28.824 | Alibaba Group | approved | S5-213391 | - |
| S5-213567 | Latest draft TR 28.818 | Ericsson | withdrawn | - | - |
| S5-213568 | pCT 28.819 Add scope | Lenovo. Motorola Mobility, CMCC | approved | S5-213181 | - |
| S5-213569 | pCR 28.819 Add Explanation for related work in ETSI | China Mobile Com. Corporation, Lenovo, Motorola Mobility | approved | S5-213290 | - |
| S5-213570 | pCR 28.819 Add Roles relevant to the study | Lenovo, Motorola Mobility, CMCC | approved | S5-213180 | - |
| S5-213571 | pCR 28.819 Usecase and requirements for CI-CD | Samsung Electronics France SA | approved | S5-213272 | - |
| S5-213572 | Add key issue SBMA supporting manangement of 5G SA and NSA scenarios | Huawei Technologies (Korea) | approved | S5-213223 | - |
| S5-213573 | Add key issue SBMA suporting management architectures and frameworks in other SDOs | Huawei Technologies (Korea) | approved | S5-213229 | - |
| S5-213574 | pCR R17 28.925 TS investigation | Ericsson | approved | S5-213413 | - |
| S5-213575 | Latest draft TS 28.312 | Huawei | approved | - | - |
| S5-213576 | 28.811 use case - support network slice protection on N6 interface | Nokia, Nokia Shanghai Bell | approved | S5-213368 | - |
| S5-213577 | pCR 28.811 Add conclusions and recommendations | Huawei | approved | S5-213129 | - |
| S5-213578 | Latest draft TS 28.557 | Huawei | approved | - | - |
| S5-213579 | Latest draft TS 28.100 | China Mobile | approved | - | - |
| S5-213580 | Latest draft TS 28.555 | China Mobile | approved | - | - |
| S5-213581 | Latest draft TS 28.556 | China Mobile | approved | - | - |
| S5-213582 | CH agenda and time plan | WG vice Chair (Nokia) | approved | S5-213008 | - |
| S5-213583 | Reply to: Resubmited LS from WSOLU to 3GPP SA5 - 5G charging architecture for wholesale scenarios | Ericsson | approved | - | - |
| S5-213584 | DraftCR 5GSIMSCH TS 32.291 IMS Information in converged charging | China Mobile | approved | S5-213114 | - |
| S5-213585 | DraftCR 5GSIMSCH TS 32.298 IMS Information in converged charging | China Mobile | approved | S5-213115 | - |
| S5-213586 | List of Approved DraftCRs | WG Vice Chair (Nokia) | noted | S5-213415 | - |
| S5-213587 | Rel-17 CR TS 32.260 Update some description of offline only charging | Huawei | agreed | S5-213251 | - |
| S5-213588 | Rel-17 CR 32.290 Add IMS Information in Offline Only Charging | Huawei | agreed | S5-213252 | - |
| S5-213589 | Rel-17 CR 32.260 Introduction of CHF selection using NRF | Nokia, Nokia Shanghai Bell | agreed | S5-213273 | - |
| S5-213590 | Rel-17 CR 32.260 Introduction of IMS converged charging architecture in Reference Points | Nokia, Nokia Shanghai Bell | agreed | S5-213274 | - |
| S5-213591 | Rel-17 CR 32.275 Adding CHF announcement handling | Ericsson LM | agreed | S5-213353 | - |
| S5-213592 | Rel-17 CR 32.275 Adding converged charging data description | Ericsson LM | agreed | S5-213355 | - |
| S5-213593 | Rel-17 CR 32.255 Correct the message flow for URLLC Charging | Huawei | agreed | S5-213253 | - |
| S5-213594 | Rel-17 CR 32.240 Delete PGW in logical ubiquitous charging architecture- service based interface | China Mobile Com. Corporation | agreed | S5-213146 | - |
| S5-213595 | Rel-17 CR 32.290 Delete PGW as consumer of ConvergedCharging service | China Mobile Com. Corporation | agreed | S5-213147 | - |
| S5-213596 | Rel-17 CR 32.255 Support of GERAN-UTRAN access by SMF+PGW-C | China Mobile Com. Corporation | agreed | S5-213148 | - |
| S5-213597 | pCR 28.815 Add solutions on charging for obtaining UE location by EAS from EES | Intel Finland Oy | approved | S5-213193 | - |
| S5-213598 | pCR 28.815 Add solutions on charging for Application Client information subscription and notification | Intel Finland Oy | approved | S5-213194 | - |
| S5-213599 | pCR 28.815 Add solutions on charging for ACR management event subscription and notification | Intel Finland Oy | approved | S5-213195 | - |
| S5-213600 | pCR 28.815 Evaluation of solutions for subscriber based charging for 5GS usage supporting EC | Intel Finland Oy | approved | S5-213196 | - |
| S5-213601 | Rel-17 pCR 28.815 Correction of subscription for EAS deployment | Ericsson LM | approved | S5-213356 | - |
| S5-213602 | Rel-17 pCR 28.815 Correction of use cases | Ericsson LM | approved | S5-213357 | - |
| S5-213603 | draft TR 28.815 | Intel | approved | - | - |
| S5-213604 | Rel-17 DraftCR 32.298 Update URLLC charging information | Huawei | revised | S5-213257 | S5-213657 |
| S5-213605 | Revised WID on N40 Interface Enhancements to Support GERAN and UTRAN | China Mobile Com. Corporation | agreed | S5-213145 | - |
| S5-213606 | New SID on Nchf charging service phase 2 | Ericsson LM | agreed | S5-213335 | - |
| S5-213607 | New SID on 5G roaming charging architecture for wholesale and retail scenarios | Ericsson LM | agreed | S5-213336 | - |
| S5-213608 | pCR 32.846 Updating on Direct Discovery charging with 5G DDNMF | CATT | approved | S5-213151 | - |
| S5-213609 | pCR 32.846 Add possible solution for ProSe Broadcast mode Direct Communication | CATT | approved | S5-213152 | - |
| S5-213610 | Rel-17 pCR 32.846 Adding CTF based architecture for direct communication | Ericsson LM | approved | S5-213358 | - |
| S5-213611 | Cover sheet TR 32.846 for information | CATT | approved | - | - |
| S5-213612 | Draft TR 32.846 | CATT | approved | - | - |
| S5-213613 | Rel-17 pCR 28.822 Add the UDM based solution for 5G VN Group | Huawei | approved | S5-213262 | - |
| S5-213614 | Rel-16 CR 32.298 Correcting IPv6 text description | Ericsson LM | agreed | S5-213338 | - |
| S5-213615 | Rel-17 pCR 28.822 Add the solution for traffic forwarding | Huawei | approved | S5-213264 | - |
| S5-213616 | Draft TR 28.822 | Huawei | approved | - | - |
| S5-213617 | Rel-17 pCR 28.847 Introduction of a distributed charging architecture solution for KI#3 | Nokia, Nokia Shanghai Bell | approved | S5-213118 | - |
| S5-213618 | Rel-17 pCR 28.847 Introduction of a solution for KI#3 based on KPI | Nokia, Nokia Shanghai Bell | approved | S5-213119 | - |
| S5-213619 | Rel-17 pCR 28.847 Solutions evaluation for KI#3 | Nokia, Nokia Shanghai Bell | approved | S5-213120 | - |
| S5-213620 | Rel-17 pCR 28.847 Introduction of a solution based on distributed charging architecture for KI#X | Nokia, Nokia Shanghai Bell | approved | S5-213122 | - |
| S5-213621 | TR 32.847 – Solution for Key Issue #1 based on new charging service | Matrixx | approved | S5-213315 | - |
| S5-213622 | Rel-16 CR 32.291 Correcting feature handling for ETSUN | Ericsson LM | agreed | S5-213350 | - |
| S5-213623 | Presentation of TR 28.815 for information | Intel Finland Oy | approved | S5-213197 | - |
| S5-213624 | Draft TR 32.847 | Matrixx | approved | - | - |
| S5-213625 | Rel-16 CR 32.255 Correct the PRA reporting information | Huawei | agreed | S5-213243 | - |
| S5-213626 | Rel-17 CR 32.255 Correct the PRA reporting information | Huawei | agreed | S5-213244 | - |
| S5-213627 | Rel-16 CR 32.291 Correct the Nchf\_ OfflineOnlyCharging API resource definition | Huawei | agreed | S5-213246 | - |
| S5-213628 | Rel-16 CR 32.240 Clarify the Charging data configuration | Huawei | agreed | S5-213249 | - |
| S5-213629 | Rel-17 CR 32.240 Clarify the Charging data configuration | Huawei | agreed | S5-213250 | - |
| S5-213630 | Rel-16 CR 32.291 Correction on Presence Reporting Areas(s) subscription in AMF | Nokia, Nokia Shanghai Bell | agreed | S5-213283 | - |
| S5-213631 | Rel-16 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | agreed | S5-213302 | - |
| S5-213632 | Rel-17 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | agreed | S5-213305 | - |
| S5-213633 | Rel-16 CR 32.291 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | agreed | S5-213306 | - |
| S5-213634 | Rel-16 CR 32.298 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | agreed | S5-213314 | - |
| S5-213635 | Rel-16 CR 32.274 Correcting SMS Result coding | Ericsson LM | agreed | S5-213339 | - |
| S5-213636 | (reserved) | Charging SWG | withdrawn | - | - |
| S5-213637 | (reserved) | Charging | withdrawn | - | - |
| S5-213638 | Rel-17 CR 32.240 Correction on Reference Points on 5GS | Nokia, Nokia Shanghai Bell | agreed | S5-213275 | - |
| S5-213639 | Rel-17 CR 32.255 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | agreed | S5-213276 | - |
| S5-213640 | Rel-17 CR 32.254 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | agreed | S5-213277 | - |
| S5-213641 | Rel-17 CR 32.274 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | agreed | S5-213278 | - |
| S5-213642 | Rel-17 CR 32.260 Correcting capturing of missing location information | Ericsson LM | agreed | S5-213337 | - |
| S5-213643 | Rel-17 pCR 32.847 Intro new requirements and KI - NS actual duration | Huawei | approved | S5-213265 | - |
| S5-213644 | Rel-16 CR 32.290 Correction on support of CHF set and CHF service set | Nokia, Nokia Shanghai Bell, Matrixx | agreed | S5-213281 | - |
| S5-213645 | Rel-17 CR 32.290 Correction on support of CHF set and CHF service set | Nokia, Nokia Shanghai Bell, Matrixx | agreed | S5-213282 | - |
| S5-213646 | Rel-17 CR 32.255 Add RSN for URLLC Charging | Huawei | agreed | S5-213256 | - |
| S5-213647 | Rel-17 CR 32.275 Adding converged charging flows | Ericsson LM | agreed | S5-213354 | - |
| S5-213648 | Rel-17 CR 32.255 Add the definition for non-redandunt transmission | Huawei | agreed | S5-213254 | - |
| S5-213649 | Rel-17 DraftCR 32.291 Update URLLC charging information | Huawei | approved | S5-213258 | - |
| S5-213650 | Rel-17 pCR 28.816 update use case | Huawei | approved | S5-213307 | - |
| S5-213651 | Rel-17 pCR 28.816 add potential solution for north bound API charging | Huawei | approved | S5-213312 | - |
| S5-213652 | Draft TR 28.816 | Huawei | approved | - | - |
| S5-213653 | Rel-16 CR 32.255 Correct the Handover description | Huawei | agreed | S5-213240 | - |
| S5-213654 | Rel-17 CR 32.255 Correct the Handover description | Huawei | agreed | S5-213241 | - |
| S5-213655 | Rel-17 pCR 28.815 update use case of charging for edge enabling services | Huawei | approved | S5-213260 | - |
| S5-213656 | Rel-17 pCR 28.816 add key issues | Huawei | approved | S5-213309 | - |
| S5-213657 | Rel-17 DraftCR 32.298 Update URLLC charging information | Huawei | approved | S5-213604 | - |
| S5-213658 | 28.824 use case - Network slice management capability exposure | Alibaba Group | approved | S5-213392 | - |
| S5-213659 | DraftCR for 5GDMS - TS 28.537 | Huawei | approved | - | - |
| S5-213660 | DraftCR for eQoE - TS 28.405 | Ericsson | approved | - | - |
| S5-213661 | DraftCR for 5GDMS - TS 28.533 | Huawei | approved | - | - |
| S5-213662 | Latest draft TS 28.314 | Ericsson | approved | - | - |
| S5-213663 | Latest draft TS 28.315 | Ericsson | approved | - | - |
| S5-213664 | Latest draft TS 28.316 | Ericsson | approved | - | - |
| S5-213665 | Latest draft TR 28.813 | Orange | approved | - | - |
| S5-213666 | Latest draft TR 28.814 | Intel | approved | - | - |
| S5-213667 | Latest draft TR 28.811 | Huawei | approved | - | - |
| S5-213668 | Latest draft TR 28.817 | Nokia | approved | - | - |
| S5-213669 | Latest draft TR 28.824 | Alibaba | approved | - | - |
| S5-213670 | Latest draft TR 28.819 | Lenovo | approved | - | - |
| S5-213671 | Latest draft TR 28.925 | Huawei | approved | - | - |
| S5-213672 | DraftCR for eCOSLA - TS 28.536 | Ericsson | withdrawn | - | - |
| S5-213673 | DraftCR for MADCOL TS 28.537 | Nokia | approved | - | - |
| S5-213674 | Rel-17 draftCR TS 28.535 Updated eCOSLA DraftCR | Samsung Electronics France SA | merged | - | S5-213439 |
| S5-213675 | Functionality of YANG-Push | Ericsson Hungary Ltd | noted | S5-213417 | - |
| S5-213676 | Using YANG-Push | Ericsson Hungary Ltd | noted | S5-213419 | - |
| S5-213677 | New measurements for the number of attempted and successfully resumed DRBs | Nokia Solutions & Networks (I) | agreed | S5-213270 | - |
| S5-213678 | Rel-17 CR 28.554 Update the Accessibility KPI to cover RRC Resume | Ericsson LM | agreed | S5-213316 | - |
| S5-213679 | Add PMs on inter-gNB successful and failed handover execution per beam pair | Nokia Germany | agreed | S5-213420 | - |
| S5-213680 | Reply to: Reply LS to SA5 on network sharing with multiple SSBs in a carrier | ZTE | noted | - | - |
| S5-213681 | Rel-16 CR 28.532 Correct definitions for performance assurance (stage 2 and 3) | Nokia, Nokia Shanghai Bell | agreed | S5-213105 | - |
| S5-213682 | Rel-16 CR TS 28.532 Update clause 11.2.2 Managed information for fault supervision management service | Huawei,China Mobile | agreed | S5-213159 | - |
| S5-213683 | LS to RAN2&RAN3 on Inclusive language for ANR | Ericsson | approved | - | - |
| S5-213684 | Rel-16 CR 28.622 Replace legacy IRPAgent with MnsAgent (stage 2) | Nokia, Nokia Shanghai Bell | agreed | S5-213198 | - |
| S5-213685 | Rel-16 CR 28.623 Replace legacy IRPAgent with MnsAgent (OpenAPI definition) | Nokia, Nokia Shanghai Bell | agreed | S5-213201 | - |
| S5-213686 | Rel-17 CR 28.541 Add reliability to CN slice profile | Huawei | agreed | S5-213135 | - |
| S5-213687 | DP on assurance report for closed control loop | Huawei Technologies Japan K.K. | endorsed | S5-213527 | - |
| S5-213688 | Rel-17 Input to draftCR TS 28.536 Add assurance report for closed control loop | Huawei Technologies Japan K.K. | noted | S5-213528 | - |
| S5-213689 | LS on using SA5 Performance Measurements and Trace for centralised PCI management | Ericsson | approved | - | - |
| S5-213690 | SA5 working procedures | WG Chair | approved | S5-213010 | - |

### A2: Tdoc decision timing

|  |  |  |
| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S5-213000 | 20/05/2021 14:04:55 | approved |
| S5-213001 | 20/05/2021 14:04:59 | approved |
| S5-213002 | 20/05/2021 15:13:18 | noted |
| S5-213004 | 21/05/2021 13:47:34 | noted |
| S5-213005 | 21/05/2021 13:47:38 | noted |
| S5-213008 | 27/05/2021 12:46:06 | revised |
| S5-213009 | 27/05/2021 12:46:11 | noted |
| S5-213010 | 20/05/2021 13:54:04 | revised |
| S5-213011 | 20/05/2021 14:02:38 | approved |
| S5-213012 | 02/06/2021 09:34:47 | withdrawn |
| S5-213013 | 21/05/2021 13:03:24 | revised |
| S5-213014 | 25/05/2021 12:18:35 | approved |
| S5-213015 | 25/05/2021 12:18:37 | approved |
| S5-213016 | 25/05/2021 12:18:39 | approved |
| S5-213017 | 25/05/2021 12:18:54 | revised |
| S5-213018 | 25/05/2021 12:18:58 | approved |
| S5-213019 | 25/05/2021 12:19:00 | noted |
| S5-213020 | 27/05/2021 12:46:28 | replied to |
| S5-213021 | 21/05/2021 15:01:41 | replied to |
| S5-213022 | 21/05/2021 13:43:32 | noted |
| S5-213023 | 21/05/2021 13:06:22 | replied to |
| S5-213024 | 20/05/2021 15:14:02 | replied to |
| S5-213024 | 20/05/2021 15:15:27 | noted |
| S5-213025 | 21/05/2021 13:47:16 | noted |
| S5-213026 | 20/05/2021 14:02:15 | noted |
| S5-213027 | 21/05/2021 13:43:49 | noted |
| S5-213028 | 21/05/2021 07:41:11 | replied to |
| S5-213029 | 20/05/2021 13:57:14 | replied to |
| S5-213029 | 28/05/2021 07:52:42 | noted |
| S5-213030 | 21/05/2021 13:43:58 | postponed |
| S5-213031 | 27/05/2021 12:50:51 | postponed |
| S5-213032 | 21/05/2021 13:01:35 | noted |
| S5-213033 | 27/05/2021 12:50:56 | noted |
| S5-213034 | 21/05/2021 13:44:22 | noted |
| S5-213035 | 21/05/2021 13:44:36 | noted |
| S5-213036 | 21/05/2021 12:54:38 | replied to |
| S5-213037 | 21/05/2021 12:56:49 | replied to |
| S5-213037 | 27/05/2021 12:25:34 | postponed |
| S5-213038 | 25/05/2021 13:45:19 | approved |
| S5-213039 | 25/05/2021 13:45:26 | noted |
| S5-213040 | 21/05/2021 15:06:00 | available |
| S5-213041 | 21/05/2021 15:06:17 | revised |
| S5-213042 | 25/05/2021 14:21:56 | approved |
| S5-213043 | 25/05/2021 14:21:59 | approved |
| S5-213044 | 20/05/2021 14:02:25 | noted |
| S5-213045 | 21/05/2021 14:00:53 | agreed |
| S5-213046 | 25/05/2021 14:10:32 | approved |
| S5-213047 | 20/05/2021 13:58:19 | noted |
| S5-213048 | 21/05/2021 13:45:18 | replied to |
| S5-213048 | 28/05/2021 07:57:32 | postponed |
| S5-213049 | 21/05/2021 14:53:17 | available |
| S5-213050 | 21/05/2021 14:53:24 | available |
| S5-213051 | 21/05/2021 12:56:05 | noted |
| S5-213052 | 21/05/2021 15:10:56 | revised |
| S5-213053 | 21/05/2021 14:00:59 | agreed |
| S5-213054 | 21/05/2021 15:03:23 | revised |
| S5-213055 | 21/05/2021 14:07:47 | revised |
| S5-213056 | 21/05/2021 14:06:46 | available |
| S5-213057 | 21/05/2021 15:02:53 | agreed |
| S5-213058 | 25/05/2021 14:10:16 | available |
| S5-213059 | 25/05/2021 14:20:10 | approved |
| S5-213061 | 25/05/2021 13:45:50 | noted |
| S5-213063 | 25/05/2021 13:47:52 | noted |
| S5-213064 | 21/05/2021 13:54:41 | available |
| S5-213065 | 25/05/2021 13:48:15 | approved |
| S5-213066 | 25/05/2021 13:48:20 | approved |
| S5-213067 | 25/05/2021 13:48:29 | revised |
| S5-213068 | 25/05/2021 13:48:40 | approved |
| S5-213069 | 25/05/2021 13:48:47 | approved |
| S5-213070 | 25/05/2021 13:48:55 | revised |
| S5-213071 | 25/05/2021 13:49:05 | revised |
| S5-213072 | 25/05/2021 13:49:10 | approved |
| S5-213073 | 25/05/2021 13:49:17 | approved |
| S5-213074 | 25/05/2021 13:49:26 | revised |
| S5-213075 | 25/05/2021 13:49:38 | revised |
| S5-213076 | 25/05/2021 13:49:44 | approved |
| S5-213077 | 25/05/2021 14:00:04 | revised |
| S5-213078 | 25/05/2021 14:00:16 | revised |
| S5-213079 | 25/05/2021 12:25:15 | revised |
| S5-213080 | 25/05/2021 12:25:25 | revised |
| S5-213081 | 21/05/2021 14:51:43 | revised |
| S5-213082 | 21/05/2021 14:51:56 | revised |
| S5-213083 | 21/05/2021 14:52:05 | revised |
| S5-213084 | 21/05/2021 14:52:12 | noted |
| S5-213085 | 21/05/2021 14:51:09 | revised |
| S5-213086 | 21/05/2021 14:52:21 | approved |
| S5-213087 | 21/05/2021 14:52:24 | approved |
| S5-213088 | 21/05/2021 14:57:37 | available |
| S5-213089 | 21/05/2021 14:57:03 | available |
| S5-213090 | 21/05/2021 14:54:01 | revised |
| S5-213091 | 21/05/2021 14:54:13 | revised |
| S5-213092 | 21/05/2021 14:54:29 | revised |
| S5-213093 | 21/05/2021 14:54:40 | revised |
| S5-213094 | 21/05/2021 14:55:01 | revised |
| S5-213095 | 21/05/2021 14:55:16 | revised |
| S5-213096 | 21/05/2021 13:52:18 | available |
| S5-213097 | 21/05/2021 13:52:22 | available |
| S5-213098 | 21/05/2021 13:45:48 | noted |
| S5-213099 | 21/05/2021 13:54:49 | available |
| S5-213100 | 21/05/2021 14:50:06 | agreed |
| S5-213103 | 25/05/2021 12:20:40 | revised |
| S5-213104 | 21/05/2021 14:49:50 | revised |
| S5-213105 | 21/05/2021 13:55:05 | revised |
| S5-213106 | 21/05/2021 13:55:34 | revised |
| S5-213107 | 21/05/2021 14:03:21 | revised |
| S5-213108 | 21/05/2021 14:48:54 | revised |
| S5-213109 | 21/05/2021 14:49:18 | available |
| S5-213110 | 21/05/2021 14:49:28 | agreed |
| S5-213111 | 21/05/2021 15:11:16 | revised |
| S5-213112 | 25/05/2021 14:03:09 | available |
| S5-213113 | 25/05/2021 14:03:35 | approved |
| S5-213114 | 27/05/2021 12:51:39 | revised |
| S5-213115 | 27/05/2021 12:51:55 | revised |
| S5-213116 | 21/05/2021 14:04:31 | revised |
| S5-213117 | 21/05/2021 14:52:52 | revised |
| S5-213118 | 27/05/2021 13:23:01 | revised |
| S5-213119 | 27/05/2021 13:23:13 | revised |
| S5-213120 | 27/05/2021 13:23:24 | revised |
| S5-213121 | 27/05/2021 13:23:29 | approved |
| S5-213122 | 27/05/2021 13:23:43 | revised |
| S5-213123 | 21/05/2021 13:54:11 | revised |
| S5-213124 | 21/05/2021 13:54:26 | revised |
| S5-213125 | 25/05/2021 12:28:33 | available |
| S5-213126 | 25/05/2021 12:28:40 | available |
| S5-213127 | 25/05/2021 12:30:40 | revised |
| S5-213128 | 25/05/2021 14:05:01 | revised |
| S5-213129 | 25/05/2021 14:05:12 | revised |
| S5-213130 | 25/05/2021 14:05:25 | noted |
| S5-213131 | 25/05/2021 14:03:46 | revised |
| S5-213132 | 25/05/2021 14:03:53 | approved |
| S5-213134 | 21/05/2021 15:14:33 | available |
| S5-213135 | 21/05/2021 14:57:53 | revised |
| S5-213136 | 21/05/2021 15:03:51 | available |
| S5-213137 | 21/05/2021 15:04:01 | revised |
| S5-213138 | 21/05/2021 15:04:13 | revised |
| S5-213139 | 25/05/2021 13:50:13 | approved |
| S5-213140 | 25/05/2021 13:50:22 | revised |
| S5-213141 | 25/05/2021 14:00:37 | available |
| S5-213142 | 25/05/2021 13:58:47 | revised |
| S5-213143 | 25/05/2021 13:58:58 | revised |
| S5-213144 | 25/05/2021 14:20:39 | approved |
| S5-213145 | 27/05/2021 13:12:16 | revised |
| S5-213146 | 27/05/2021 13:01:35 | revised |
| S5-213147 | 27/05/2021 13:01:47 | revised |
| S5-213148 | 27/05/2021 13:02:02 | revised |
| S5-213149 | 21/05/2021 14:50:13 | agreed |
| S5-213150 | 27/05/2021 13:14:33 | approved |
| S5-213151 | 27/05/2021 13:14:44 | revised |
| S5-213152 | 27/05/2021 13:14:54 | revised |
| S5-213153 | 27/05/2021 13:14:58 | approved |
| S5-213154 | 27/05/2021 13:15:02 | approved |
| S5-213155 | 27/05/2021 13:15:03 | approved |
| S5-213156 | 21/05/2021 14:50:18 | agreed |
| S5-213157 | 21/05/2021 13:58:22 | agreed |
| S5-213158 | 21/05/2021 13:58:25 | agreed |
| S5-213159 | 21/05/2021 13:55:57 | revised |
| S5-213160 | 21/05/2021 15:04:29 | revised |
| S5-213161 | 21/05/2021 15:05:03 | revised |
| S5-213162 | 21/05/2021 15:16:24 | revised |
| S5-213163 | 21/05/2021 15:16:53 | revised |
| S5-213164 | 21/05/2021 15:17:06 | revised |
| S5-213165 | 21/05/2021 15:17:58 | noted |
| S5-213166 | 21/05/2021 15:20:55 | noted |
| S5-213167 | 21/05/2021 15:20:59 | noted |
| S5-213168 | 21/05/2021 15:21:12 | revised |
| S5-213169 | 21/05/2021 15:33:17 | noted |
| S5-213170 | 25/05/2021 12:20:48 | revised |
| S5-213171 | 25/05/2021 12:31:19 | noted |
| S5-213172 | 25/05/2021 12:31:27 | agreed |
| S5-213173 | 25/05/2021 12:31:37 | revised |
| S5-213174 | 21/05/2021 13:48:52 | revised |
| S5-213175 | 28/05/2021 07:48:35 | available |
| S5-213176 | 28/05/2021 07:48:38 | available |
| S5-213177 | 21/05/2021 15:03:07 | revised |
| S5-213178 | 20/05/2021 14:00:26 | available |
| S5-213179 | 21/05/2021 15:02:07 | available |
| S5-213180 | 25/05/2021 14:21:11 | revised |
| S5-213181 | 25/05/2021 14:20:26 | revised |
| S5-213182 | 25/05/2021 13:46:51 | noted |
| S5-213183 | 25/05/2021 13:46:06 | noted |
| S5-213184 | 25/05/2021 13:46:36 | noted |
| S5-213185 | 21/05/2021 15:10:02 | agreed |
| S5-213186 | 21/05/2021 15:10:05 | agreed |
| S5-213187 | 21/05/2021 14:03:44 | revised |
| S5-213188 | 21/05/2021 15:10:07 | agreed |
| S5-213189 | 21/05/2021 15:10:08 | agreed |
| S5-213190 | 21/05/2021 15:17:18 | revised |
| S5-213191 | 21/05/2021 15:17:27 | revised |
| S5-213192 | 21/05/2021 15:17:38 | revised |
| S5-213193 | 27/05/2021 13:02:12 | revised |
| S5-213194 | 27/05/2021 13:03:18 | revised |
| S5-213195 | 27/05/2021 13:03:28 | revised |
| S5-213196 | 27/05/2021 13:03:38 | revised |
| S5-213197 | 27/05/2021 13:03:54 | revised |
| S5-213198 | 21/05/2021 14:09:27 | revised |
| S5-213199 | 21/05/2021 15:15:02 | noted |
| S5-213200 | 25/05/2021 13:47:22 | available |
| S5-213201 | 21/05/2021 14:09:48 | revised |
| S5-213202 | 25/05/2021 13:47:27 | noted |
| S5-213203 | 21/05/2021 14:10:20 | revised |
| S5-213204 | 21/05/2021 14:10:32 | revised |
| S5-213205 | 21/05/2021 14:10:36 | agreed |
| S5-213206 | 21/05/2021 14:10:50 | agreed |
| S5-213207 | 21/05/2021 14:11:08 | available |
| S5-213208 | 21/05/2021 14:04:14 | revised |
| S5-213209 | 25/05/2021 13:49:58 | revised |
| S5-213210 | 21/05/2021 15:15:24 | noted |
| S5-213211 | 21/05/2021 15:14:47 | noted |
| S5-213212 | 25/05/2021 14:04:02 | approved |
| S5-213213 | 25/05/2021 12:24:02 | revised |
| S5-213214 | 25/05/2021 12:31:48 | available |
| S5-213215 | 25/05/2021 12:24:17 | agreed |
| S5-213216 | 25/05/2021 14:21:22 | approved |
| S5-213217 | 25/05/2021 12:24:21 | agreed |
| S5-213218 | 25/05/2021 14:04:13 | revised |
| S5-213219 | 25/05/2021 14:04:24 | revised |
| S5-213220 | 25/05/2021 14:04:41 | revised |
| S5-213221 | 25/05/2021 14:02:54 | revised |
| S5-213222 | 21/05/2021 15:03:33 | noted |
| S5-213223 | 25/05/2021 14:22:12 | revised |
| S5-213224 | 21/05/2021 14:50:46 | revised |
| S5-213225 | 25/05/2021 13:46:43 | noted |
| S5-213227 | 25/05/2021 12:24:25 | available |
| S5-213228 | 21/05/2021 14:55:39 | revised |
| S5-213229 | 25/05/2021 14:22:27 | revised |
| S5-213230 | 21/05/2021 14:55:50 | revised |
| S5-213230 | 21/05/2021 14:58:07 | available |
| S5-213231 | 21/05/2021 14:56:12 | revised |
| S5-213232 | 21/05/2021 14:58:22 | available |
| S5-213233 | 21/05/2021 14:45:35 | revised |
| S5-213234 | 21/05/2021 15:17:48 | revised |
| S5-213235 | 21/05/2021 15:33:34 | noted |
| S5-213236 | 25/05/2021 13:46:18 | noted |
| S5-213237 | 25/05/2021 13:47:37 | noted |
| S5-213238 | 25/05/2021 13:48:00 | noted |
| S5-213239 | 27/05/2021 13:11:10 | noted |
| S5-213240 | 27/05/2021 13:25:44 | revised |
| S5-213241 | 27/05/2021 13:25:53 | revised |
| S5-213242 | 27/05/2021 13:42:30 | noted |
| S5-213243 | 27/05/2021 13:26:20 | revised |
| S5-213244 | 27/05/2021 13:26:33 | revised |
| S5-213245 | 27/05/2021 13:37:27 | available |
| S5-213246 | 27/05/2021 13:37:40 | revised |
| S5-213247 | 27/05/2021 13:37:45 | agreed |
| S5-213248 | 27/05/2021 13:37:50 | available |
| S5-213249 | 27/05/2021 13:37:59 | revised |
| S5-213250 | 27/05/2021 13:38:08 | revised |
| S5-213251 | 27/05/2021 12:54:54 | revised |
| S5-213252 | 27/05/2021 12:55:22 | revised |
| S5-213253 | 27/05/2021 13:00:04 | revised |
| S5-213254 | 27/05/2021 13:00:15 | revised |
| S5-213255 | 27/05/2021 13:00:27 | available |
| S5-213256 | 27/05/2021 13:00:37 | revised |
| S5-213257 | 27/05/2021 13:00:47 | revised |
| S5-213258 | 27/05/2021 13:01:05 | revised |
| S5-213259 | 27/05/2021 13:04:13 | noted |
| S5-213260 | 27/05/2021 13:04:23 | revised |
| S5-213261 | 27/05/2021 13:04:30 | noted |
| S5-213262 | 27/05/2021 13:18:50 | revised |
| S5-213263 | 27/05/2021 13:18:54 | approved |
| S5-213264 | 27/05/2021 13:19:04 | revised |
| S5-213265 | 27/05/2021 13:23:53 | revised |
| S5-213266 | 27/05/2021 13:24:11 | noted |
| S5-213267 | 21/05/2021 13:48:01 | noted |
| S5-213268 | 21/05/2021 13:05:26 | revised |
| S5-213269 | 21/05/2021 13:50:41 | revised |
| S5-213270 | 21/05/2021 15:11:33 | revised |
| S5-213271 | 20/05/2021 13:58:00 | revised |
| S5-213272 | 25/05/2021 14:21:38 | revised |
| S5-213273 | 27/05/2021 12:58:33 | revised |
| S5-213274 | 27/05/2021 12:58:47 | revised |
| S5-213275 | 27/05/2021 13:42:53 | revised |
| S5-213276 | 27/05/2021 13:43:03 | revised |
| S5-213277 | 27/05/2021 13:43:11 | revised |
| S5-213278 | 27/05/2021 13:43:21 | revised |
| S5-213279 | 27/05/2021 13:38:30 | agreed |
| S5-213280 | 27/05/2021 13:38:33 | agreed |
| S5-213281 | 27/05/2021 13:38:42 | revised |
| S5-213282 | 27/05/2021 13:38:52 | revised |
| S5-213283 | 27/05/2021 13:39:06 | revised |
| S5-213284 | 27/05/2021 13:39:11 | agreed |
| S5-213285 | 27/05/2021 13:43:31 | agreed |
| S5-213286 | 27/05/2021 13:43:33 | agreed |
| S5-213287 | 25/05/2021 08:00:34 | revised |
| S5-213288 | 21/05/2021 15:20:39 | noted |
| S5-213289 | 27/05/2021 12:51:03 | noted |
| S5-213290 | 25/05/2021 14:20:53 | revised |
| S5-213291 | 25/05/2021 14:21:49 | approved |
| S5-213292 | 27/05/2021 13:54:33 | noted |
| S5-213293 | 21/05/2021 13:48:14 | noted |
| S5-213294 | 20/05/2021 14:01:22 | noted |
| S5-213295 | 21/05/2021 12:55:54 | noted |
| S5-213296 | 25/05/2021 14:00:54 | revised |
| S5-213297 | 25/05/2021 12:25:47 | postponed |
| S5-213298 | 25/05/2021 13:59:21 | revised |
| S5-213299 | 25/05/2021 14:01:13 | revised |
| S5-213300 | 25/05/2021 12:27:36 | revised |
| S5-213301 | 25/05/2021 12:27:48 | revised |
| S5-213302 | 27/05/2021 13:39:26 | revised |
| S5-213303 | 21/05/2021 14:11:45 | available |
| S5-213304 | 25/05/2021 12:26:02 | available |
| S5-213305 | 27/05/2021 13:39:37 | revised |
| S5-213306 | 27/05/2021 13:39:49 | revised |
| S5-213307 | 27/05/2021 13:12:51 | revised |
| S5-213308 | 27/05/2021 13:12:57 | approved |
| S5-213309 | 27/05/2021 13:13:06 | revised |
| S5-213310 | 27/05/2021 13:13:18 | noted |
| S5-213311 | 27/05/2021 13:13:20 | noted |
| S5-213312 | 27/05/2021 13:13:28 | revised |
| S5-213313 | 25/05/2021 12:26:14 | revised |
| S5-213314 | 27/05/2021 13:39:58 | revised |
| S5-213315 | 27/05/2021 13:24:20 | revised |
| S5-213316 | 21/05/2021 15:11:46 | revised |
| S5-213317 | 21/05/2021 13:52:05 | agreed |
| S5-213318 | 21/05/2021 13:52:05 | agreed |
| S5-213319 | 21/05/2021 14:02:50 | agreed |
| S5-213320 | 21/05/2021 13:52:35 | available |
| S5-213321 | 25/05/2021 13:45:57 | noted |
| S5-213322 | 21/05/2021 13:52:40 | available |
| S5-213323 | 25/05/2021 13:45:39 | noted |
| S5-213324 | 25/05/2021 12:28:06 | revised |
| S5-213325 | 25/05/2021 13:45:40 | noted |
| S5-213326 | 25/05/2021 12:26:56 | available |
| S5-213327 | 25/05/2021 13:47:44 | noted |
| S5-213328 | 25/05/2021 12:21:21 | noted |
| S5-213329 | 25/05/2021 12:21:38 | revised |
| S5-213330 | 21/05/2021 15:09:42 | revised |
| S5-213331 | 25/05/2021 12:21:00 | noted |
| S5-213332 | 25/05/2021 12:22:31 | revised |
| S5-213333 | 25/05/2021 12:20:22 | noted |
| S5-213334 | 25/05/2021 12:19:12 | available |
| S5-213335 | 27/05/2021 13:11:52 | revised |
| S5-213336 | 27/05/2021 13:10:26 | revised |
| S5-213337 | 27/05/2021 13:43:51 | revised |
| S5-213338 | 27/05/2021 13:40:30 | revised |
| S5-213339 | 27/05/2021 13:40:41 | revised |
| S5-213340 | 27/05/2021 13:40:46 | available |
| S5-213341 | 27/05/2021 13:41:10 | available |
| S5-213342 | 27/05/2021 13:41:17 | available |
| S5-213343 | 27/05/2021 13:41:26 | available |
| S5-213344 | 27/05/2021 13:41:32 | available |
| S5-213345 | 27/05/2021 13:41:40 | available |
| S5-213346 | 27/05/2021 13:41:44 | available |
| S5-213347 | 27/05/2021 13:41:48 | available |
| S5-213348 | 27/05/2021 13:41:57 | agreed |
| S5-213350 | 27/05/2021 13:42:08 | revised |
| S5-213352 | 27/05/2021 13:42:39 | available |
| S5-213353 | 27/05/2021 12:59:03 | revised |
| S5-213354 | 27/05/2021 12:59:14 | revised |
| S5-213355 | 27/05/2021 12:59:24 | revised |
| S5-213356 | 27/05/2021 13:04:43 | revised |
| S5-213357 | 27/05/2021 13:04:53 | revised |
| S5-213358 | 27/05/2021 13:15:13 | revised |
| S5-213359 | 27/05/2021 13:24:33 | approved |
| S5-213360 | 27/05/2021 13:24:36 | approved |
| S5-213361 | 21/05/2021 15:15:31 | noted |
| S5-213362 | 21/05/2021 15:15:36 | noted |
| S5-213363 | 21/05/2021 15:14:55 | noted |
| S5-213364 | 21/05/2021 13:51:34 | noted |
| S5-213365 | 25/05/2021 12:30:52 | revised |
| S5-213366 | 25/05/2021 14:10:21 | approved |
| S5-213367 | 25/05/2021 14:10:25 | approved |
| S5-213368 | 25/05/2021 14:05:37 | revised |
| S5-213369 | 25/05/2021 14:05:57 | revised |
| S5-213370 | 25/05/2021 14:06:09 | revised |
| S5-213371 | 25/05/2021 14:06:32 | revised |
| S5-213372 | 21/05/2021 14:59:04 | revised |
| S5-213373 | 21/05/2021 15:05:15 | noted |
| S5-213374 | 20/05/2021 13:54:49 | available |
| S5-213375 | 21/05/2021 14:01:11 | withdrawn |
| S5-213376 | 21/05/2021 13:58:35 | available |
| S5-213377 | 21/05/2021 13:59:05 | revised |
| S5-213378 | 21/05/2021 14:02:01 | revised |
| S5-213379 | 21/05/2021 13:46:06 | revised |
| S5-213380 | 21/05/2021 13:59:56 | revised |
| S5-213381 | 21/05/2021 14:00:07 | revised |
| S5-213382 | 21/05/2021 14:00:17 | revised |
| S5-213383 | 21/05/2021 14:00:27 | revised |
| S5-213384 | 21/05/2021 14:00:35 | available |
| S5-213385 | 21/05/2021 14:00:43 | available |
| S5-213386 | 21/05/2021 14:03:00 | agreed |
| S5-213387 | 21/05/2021 14:03:03 | agreed |
| S5-213388 | 21/05/2021 14:48:08 | agreed |
| S5-213389 | 25/05/2021 13:48:08 | noted |
| S5-213390 | 25/05/2021 14:10:36 | noted |
| S5-213391 | 25/05/2021 14:11:43 | revised |
| S5-213392 | 25/05/2021 14:11:58 | revised |
| S5-213393 | 25/05/2021 14:10:54 | revised |
| S5-213394 | 25/05/2021 14:12:15 | noted |
| S5-213395 | 25/05/2021 13:46:28 | noted |
| S5-213396 | 21/05/2021 15:10:22 | available |
| S5-213397 | 21/05/2021 15:10:27 | available |
| S5-213398 | 21/05/2021 15:10:37 | available |
| S5-213399 | 21/05/2021 15:06:45 | revised |
| S5-213400 | 25/05/2021 12:31:58 | available |
| S5-213401 | 25/05/2021 12:32:08 | revised |
| S5-213402 | 25/05/2021 12:32:14 | available |
| S5-213403 | 25/05/2021 12:32:21 | noted |
| S5-213404 | 21/05/2021 15:34:16 | revised |
| S5-213405 | 25/05/2021 12:23:08 | noted |
| S5-213406 | 25/05/2021 12:23:13 | available |
| S5-213407 | 25/05/2021 12:24:50 | revised |
| S5-213408 | 25/05/2021 12:24:56 | noted |
| S5-213409 | 21/05/2021 15:33:58 | revised |
| S5-213410 | 25/05/2021 12:19:52 | available |
| S5-213411 | 21/05/2021 13:01:04 | noted |
| S5-213412 | 21/05/2021 14:56:44 | revised |
| S5-213413 | 25/05/2021 14:22:40 | revised |
| S5-213414 | 21/05/2021 13:04:29 | revised |
| S5-213415 | 27/05/2021 12:51:14 | revised |
| S5-213416 | 21/05/2021 14:02:41 | agreed |
| S5-213417 | 25/05/2021 14:07:51 | revised |
| S5-213418 | 21/05/2021 15:09:17 | agreed |
| S5-213419 | 25/05/2021 14:08:04 | revised |
| S5-213420 | 21/05/2021 15:12:50 | revised |
| S5-213421 | 21/05/2021 15:00:46 | available |
| S5-213422 | 21/05/2021 14:52:28 | approved |
| S5-213423 | 21/05/2021 15:05:24 | available |
| S5-213424 | 21/05/2021 14:51:26 | revised |
| S5-213425 | 27/05/2021 13:42:20 | available |
| S5-213426 | 25/05/2021 12:22:59 | noted |
| S5-213427 | 25/05/2021 14:12:20 | noted |
| S5-213428 | 25/05/2021 14:06:53 | revised |
| S5-213429 | 25/05/2021 14:11:21 | revised |
| S5-213430 | 21/05/2021 13:56:14 | agreed |
| S5-213431 | 21/05/2021 13:56:22 | available |
| S5-213432 | 21/05/2021 13:56:43 | revised |
| S5-213433 | 25/05/2021 14:08:15 | noted |
| S5-213434 | 25/05/2021 12:20:01 | agreed |
| S5-213435 | 25/05/2021 12:20:06 | agreed |
| S5-213436 | 25/05/2021 12:19:26 | agreed |
| S5-213437 | 21/05/2021 13:56:27 | available |
| S5-213438 | 21/05/2021 13:57:25 | revised |
| S5-213439 | 21/05/2021 13:53:08 | revised |
| S5-213440 | 21/05/2021 13:53:30 | revised |
| S5-213441 | 21/05/2021 13:06:55 | reserved |
| S5-213441 | 21/05/2021 13:43:00 | available |
| S5-213442 | 21/05/2021 13:02:09 | replied to |
| S5-213443 | 20/05/2021 14:01:55 | reserved |
| S5-213443 | 28/05/2021 07:51:18 | approved |
| S5-213444 | 21/05/2021 12:53:44 | approved |
| S5-213445 | 21/05/2021 12:54:39 | approved |
| S5-213446 | 21/05/2021 12:56:54 | reserved |
| S5-213446 | 27/05/2021 12:26:47 | noted |
| S5-213447 | 21/05/2021 13:02:48 | approved |
| S5-213448 | 21/05/2021 07:40:43 | available |
| S5-213448 | 28/05/2021 07:54:29 | approved |
| S5-213449 | 20/05/2021 13:58:02 | approved |
| S5-213450 | 28/05/2021 07:49:36 | withdrawn |
| S5-213451 | 26/05/2021 08:25:32 | reserved |
| S5-213451 | 01/06/2021 09:11:56 | approved |
| S5-213452 | 21/05/2021 13:03:25 | noted |
| S5-213453 | 21/05/2021 13:04:46 | reserved |
| S5-213454 | 21/05/2021 13:43:12 | reserved |
| S5-213454 | 28/05/2021 07:57:17 | approved |
| S5-213455 | 21/05/2021 13:05:28 | reserved |
| S5-213455 | 02/06/2021 13:04:06 | agreed |
| S5-213456 | 21/05/2021 13:46:52 | approved |
| S5-213457 | 21/05/2021 13:48:53 | agreed |
| S5-213458 | 21/05/2021 13:50:42 | agreed |
| S5-213459 | 21/05/2021 13:53:10 | reserved |
| S5-213459 | 28/05/2021 07:58:39 | agreed |
| S5-213460 | 21/05/2021 13:53:45 | reserved |
| S5-213460 | 28/05/2021 07:59:19 | agreed |
| S5-213461 | 21/05/2021 13:54:13 | agreed |
| S5-213462 | 21/05/2021 13:54:27 | agreed |
| S5-213463 | 21/05/2021 13:55:35 | agreed |
| S5-213464 | 21/05/2021 13:56:44 | agreed |
| S5-213465 | 21/05/2021 13:59:29 | agreed |
| S5-213466 | 21/05/2021 13:59:57 | agreed |
| S5-213467 | 21/05/2021 14:00:08 | agreed |
| S5-213468 | 21/05/2021 14:00:18 | agreed |
| S5-213469 | 21/05/2021 14:00:28 | agreed |
| S5-213470 | 21/05/2021 14:02:03 | reserved |
| S5-213470 | 01/06/2021 09:12:19 | agreed |
| S5-213471 | 21/05/2021 14:03:30 | agreed |
| S5-213472 | 21/05/2021 14:03:45 | agreed |
| S5-213473 | 27/05/2021 13:51:12 | agreed |
| S5-213474 | 21/05/2021 14:04:33 | agreed |
| S5-213475 | 21/05/2021 14:10:21 | agreed |
| S5-213476 | 21/05/2021 14:10:33 | agreed |
| S5-213477 | 21/05/2021 15:21:13 | approved |
| S5-213478 | 21/05/2021 14:46:42 | agreed |
| S5-213479 | 21/05/2021 14:48:55 | agreed |
| S5-213480 | 21/05/2021 14:49:52 | agreed |
| S5-213481 | 21/05/2021 14:50:48 | reserved |
| S5-213481 | 02/06/2021 13:04:31 | agreed |
| S5-213482 | 21/05/2021 14:51:10 | approved |
| S5-213483 | 21/05/2021 14:51:27 | approved |
| S5-213484 | 21/05/2021 14:51:44 | approved |
| S5-213485 | 21/05/2021 14:51:57 | approved |
| S5-213486 | 21/05/2021 14:52:06 | approved |
| S5-213487 | 21/05/2021 14:52:55 | reserved |
| S5-213487 | 28/05/2021 08:01:01 | agreed |
| S5-213488 | 21/05/2021 14:54:02 | agreed |
| S5-213489 | 21/05/2021 14:54:14 | agreed |
| S5-213490 | 21/05/2021 14:54:31 | agreed |
| S5-213491 | 21/05/2021 14:54:41 | agreed |
| S5-213492 | 21/05/2021 14:55:03 | reserved |
| S5-213492 | 27/05/2021 14:57:14 | withdrawn |
| S5-213493 | 21/05/2021 14:55:20 | reserved |
| S5-213493 | 27/05/2021 14:57:42 | withdrawn |
| S5-213494 | 21/05/2021 14:55:41 | agreed |
| S5-213495 | 21/05/2021 14:55:51 | agreed |
| S5-213496 | 21/05/2021 14:56:48 | reserved |
| S5-213496 | 28/05/2021 10:41:13 | agreed |
| S5-213497 | 21/05/2021 14:59:12 | agreed |
| S5-213498 | 21/05/2021 14:07:48 | agreed |
| S5-213499 | 21/05/2021 15:02:11 | reserved |
| S5-213499 | 28/05/2021 10:41:22 | approved |
| S5-213500 | 21/05/2021 15:03:08 | agreed |
| S5-213501 | 21/05/2021 15:03:24 | agreed |
| S5-213502 | 21/05/2021 15:04:02 | agreed |
| S5-213503 | 21/05/2021 15:04:14 | agreed |
| S5-213504 | 21/05/2021 15:04:32 | agreed |
| S5-213505 | 21/05/2021 15:05:05 | reserved |
| S5-213505 | 28/05/2021 10:41:29 | agreed |
| S5-213506 | 25/05/2021 14:06:11 | reserved |
| S5-213506 | 28/05/2021 10:44:37 | approved |
| S5-213507 | 21/05/2021 15:06:20 | reserved |
| S5-213507 | 28/05/2021 10:41:45 | email approval |
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| S5-213510 | 21/05/2021 15:10:57 | agreed |
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| S5-213523 | 25/05/2021 12:18:55 | approved |
| S5-213524 | 21/05/2021 13:57:26 | agreed |
| S5-213525 | 25/05/2021 12:20:41 | agreed |
| S5-213526 | 25/05/2021 12:20:50 | agreed |
| S5-213527 | 25/05/2021 12:22:00 | revised |
| S5-213528 | 25/05/2021 12:22:42 | revised |
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| S5-213690 | 20/05/2021 14:04:40 | reserved |
| S5-213690 | 31/05/2021 09:49:46 | approved |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-213079 | Rel-17 CR 28.310 Update on energy efficiency of URLLC network slice | Huawei | 28.310 | 0011 | - | Rel-17 | B | EE5GPLUS | revised |
| S5-213531 | Rel-17 CR 28.310 Update on energy efficiency of URLLC network slice | Huawei | 28.310 | 0011 | 1 | Rel-17 | B | EE5GPLUS | agreed |
| S5-213096 | Rel-16 CR TS 28.310 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd | 28.310 | 0012 | - | Rel-16 | F | EE\_5G | not pursued |
| S5-213097 | Rel-17 CR TS 28.310 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd | 28.310 | 0013 | - | Rel-17 | A | EE\_5G | not pursued |
| S5-213317 | Rel-16 CR TS28.310 Update on energy saving management services | Huawei Telecommunication India | 28.310 | 0014 | - | Rel-16 | F | EE\_5G | agreed |
| S5-213318 | Rel-17 CR TS28.310 Update on energy saving management services | Huawei Telecommunication India | 28.310 | 0015 | - | Rel-17 | A | EE\_5G | agreed |
| S5-213324 | Rel-17 CR TS28.310 Update of the EE KPIs Overview | Huawei Telecommunication India | 28.310 | 0016 | - | Rel-17 | B | EE5GPLUS | revised |
| S5-213536 | Rel-17 CR TS28.310 Update of the EE KPIs Overview | Huawei Telecommunication India | 28.310 | 0016 | 1 | Rel-17 | B | EE5GPLUS | agreed |
| S5-213213 | Rel. 17 CR TS 28.313 Fix non-inclusive languages | Intel Corporation (UK) Ltd | 28.313 | 0018 | - | Rel-17 | F | TEI17 | revised |
| S5-213529 | Rel. 17 CR TS 28.313 Fix non-inclusive languages | Intel Corporation (UK) Ltd | 28.313 | 0018 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-213215 | Rel. 17 CR TS 28.313 Editorial changes to D-MRO | Intel Corporation (UK) Ltd | 28.313 | 0019 | - | Rel-17 | F | eSON\_5G | agreed |
| S5-213217 | Rel. 17 CR TS 28.313 RRM resources optimization for network slice instance(s) | Intel Corporation (UK) Ltd | 28.313 | 0020 | - | Rel-17 | B | eSON\_5G | agreed |
| S5-213227 | CR TS 28.313 MLB procedure | Huawei | 28.313 | 0021 | - | Rel-17 | B | eSON\_5G | not pursued |
| S5-213320 | Rel-16 CR TS 28.313 Update of PCI configuration for C-SON | Huawei Telecommunication India | 28.313 | 0022 | - | Rel-16 | F | SON\_5G | not pursued |
| S5-213322 | Rel-17 CR TS 28.313 Update of PCI configuration for C-SON | Huawei Telecommunication India | 28.313 | 0023 | - | Rel-17 | A | SON\_5G | not pursued |
| S5-213406 | Rel-17 CR 28.313 Requirements, use cases and services for C-PCI | Ericsson France S.A.S | 28.313 | 0024 | - | Rel-17 | B | eSON\_5G | not pursued |
| S5-213334 | Rel-17 CR TS 28.535 Add use case of incident resolution for SLS assurance | Huawei Technologies Japan K.K. | 28.530 | 0045 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-213064 | Rel-16 CR 28.531 Remove subscribe and unsubscribe operations | Ericsson Inc. | 28.531 | 0062 | - | Rel-16 | F | TEI16 | not pursued |
| S5-213123 | Rel-15 CR 28.531 CR Clarify misleading information in network slicing use cases | Huawei,Orange | 28.531 | 0063 | - | Rel-15 | F | NETSLICE-5GNRM | revised |
| S5-213461 | Rel-15 CR 28.531 CR Clarify misleading information in network slicing use cases | Huawei,Orange | 28.531 | 0063 | 1 | Rel-15 | F | NETSLICE-5GNRM | agreed |
| S5-213124 | Rel-16 CR 28.531 CR Clarify misleading information in network slicing use cases | Huawei,Orange | 28.531 | 0064 | - | Rel-16 | F | NETSLICE-5GNRM | revised |
| S5-213462 | Rel-16 CR 28.531 CR Clarify misleading information in network slicing use cases | Huawei,Orange | 28.531 | 0064 | 1 | Rel-16 | F | NETSLICE-5GNRM | agreed |
| S5-213161 | Rel-17 CR TS 28.531Add reference to EP\_transport for transport network requirements | Huawei | 28.531 | 0065 | - | Rel-17 | F | adNRM | revised |
| S5-213505 | Rel-17 CR TS 28.531Add reference to EP\_transport for transport network requirements | Huawei | 28.531 | 0065 | 1 | Rel-17 | F | adNRM | agreed |
| S5-213231 | Add the SLA management related requirements and procedure | China Mobile Com. Corporation | 28.531 | 0066 | - | Rel-17 | B | EMA5SLA | revised |
| S5-213495 | Add the SLA management related requirements and procedure | China Mobile Com. Corporation | 28.531 | 0066 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-213099 | Rel-16 CR 28.532 Clarifying A B and C | Samsung Electronics France SA | 28.532 | 0172 | - | Rel-16 | F | NETSLICE | not pursued |
| S5-213105 | Rel-16 CR 28.532 Correct definitions for performance assurance (stage 2 and 3) | Nokia, Nokia Shanghai Bell | 28.532 | 0173 | - | Rel-16 | F | TEI16,NETSLICE-ADPM5G | revised |
| S5-213681 | Rel-16 CR 28.532 Correct definitions for performance assurance (stage 2 and 3) | Nokia, Nokia Shanghai Bell | 28.532 | 0173 | 1 | Rel-16 | F | TEI16,NETSLICE-ADPM5G | agreed |
| S5-213106 | Rel-16 CR 28.532 Correct definitions for file management (stage 2, REST SS, OpenAPI definition) | Nokia, Nokia Shanghai Bell | 28.532 | 0174 | - | Rel-16 | F | TEI16,NETSLICE | revised |
| S5-213463 | Rel-16 CR 28.532 Correct definitions for file management (stage 2, REST SS, OpenAPI definition) | Nokia, Nokia Shanghai Bell | 28.532 | 0174 | 1 | Rel-16 | F | TEI16,NETSLICE | agreed |
| S5-213156 | Rel-16 CR 28.532 Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | 28.532 | 0175 | - | Rel-16 | F | METHOGY | agreed |
| S5-213159 | Rel-16 CR TS 28.532 Update clause 11.2.2 Managed information for fault supervision management service | Huawei,China Mobile | 28.532 | 0176 | - | Rel-16 | F | TEI16 | revised |
| S5-213682 | Rel-16 CR TS 28.532 Update clause 11.2.2 Managed information for fault supervision management service | Huawei,China Mobile | 28.532 | 0176 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-213396 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | 28.532 | 0177 | - | Rel-17 | C | ePM\_KPI\_5G | not pursued |
| S5-213200 | CR Rel-17 28.533 Add ML support for MnS | Intel | 28.533 | 0081 | - | Rel-17 | B | eMDAS | not pursued |
| S5-213287 | Rel-17 CR 28.535 Targeted ACCL | Samsung Electronics France SA | 28.535 | 0040 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-213410 | R17 CR TS28.535 Use case for feasibility check of an ACCL goal | Lenovo, Motorola Mobility | 28.535 | 0041 | - | Rel-17 | B | eCOSLA | not pursued |
| S5-213430 | Remove description of communication service lifecycle | Ericsson LM, Deutsche Telekom | 28.535 | 0042 | - | Rel-16 | F | COSLA | agreed |
| S5-213431 | Update description of management control loops | Ericsson LM, Deutsche Telekom AG | 28.535 | 0043 | - | Rel-16 | F | COSLA | not pursued |
| S5-213432 | Update management control loops with lifecycle description | Ericsson LM, Deutsche Telekom | 28.535 | 0044 | - | Rel-16 | F | COSLA | revised |
| S5-213464 | Update management control loops with lifecycle description | Ericsson LM, Deutsche Telekom | 28.535 | 0044 | 1 | Rel-16 | F | COSLA | agreed |
| S5-213434 | Clarify intelligence in clause 4 | Ericsson LM, Deutsche Telekom | 28.535 | 0045 | - | Rel-17 | A | COSLA | agreed |
| S5-213435 | Re-introduce business level use cases | Ericsson LM, Huawei, Deutsche Telekom | 28.535 | 0046 | - | Rel-17 | B | eCOSLA | agreed |
| S5-213436 | Remove description of communication service lifecycle | Ericsson LM, Deutsche Telekom | 28.535 | 0047 | - | Rel-17 | F | COSLA | agreed |
| S5-213437 | Update description of management control loops | Ericsson LM, Deutsche Telekom | 28.535 | 0048 | - | Rel-17 | A | COSLA | not pursued |
| S5-213438 | Update management control loops with lifecycle description | Ericsson LM, Deutsche Telekom | 28.535 | 0049 | - | Rel-17 | A | COSLA | revised |
| S5-213524 | Update management control loops with lifecycle description | Ericsson LM, Deutsche Telekom | 28.535 | 0049 | 1 | Rel-17 | A | COSLA | agreed |
| S5-213103 | Rel-17 CR 38.536 Moving Assurance Observed and Predicted | Samsung Electronics France SA | 28.536 | 0028 | - | Rel-17 | C | eCOSLA | revised |
| S5-213525 | Rel-17 CR 38.536 Moving Assurance Observed and Predicted | Samsung Electronics France SA | 28.536 | 0028 | 1 | Rel-17 | C | eCOSLA | agreed |
| S5-213170 | Rel-17 CR TS 28.536 Improve the readabililty of closed control loop NRM fragment | Huawei | 28.536 | 0029 | - | Rel-17 | B | eCOSLA | revised |
| S5-213526 | Rel-17 CR TS 28.536 Improve the readabililty of closed control loop NRM fragment | Huawei | 28.536 | 0029 | 1 | Rel-17 | B | eCOSLA | agreed |
| S5-213228 | TS 28.540 Update the requirements for for management of network slice and network slice subnet | China Mobile Com. Corporation | 28.540 | 0014 | - | Rel-17 | B | EMA5SLA | revised |
| S5-213494 | TS 28.540 Update the requirements for for management of network slice and network slice subnet | China Mobile Com. Corporation | 28.540 | 0014 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-213045 | Rel-17 CR 28.541 Correction of ServiceProfile attributes | Ericsson LM | 28.541 | 0430 | 4 | Rel-17 | F | TEI17 | agreed |
| S5-213214 | RAN Sharing NRM support for MOCN | Ericsson LM | 28.541 | 0468 | 1 | Rel-17 | B | MANS | not pursued |
| S5-213049 | Rel-17 CR 28.541 Delete the PerfReq in SliceProfile | China Mobile, Huawei | 28.541 | 0475 | - | Rel-17 | C | EMA5SLA | merged |
| S5-213050 | Rel-17 CR 28.541 OpenAPI changes of deleting the PerfReq in SliceProfile | China Mobile, Huawei | 28.541 | 0476 | - | Rel-17 | C | EMA5SLA | merged |
| S5-213053 | Yang Corrections of implementation errors | Ericsson Hungary Ltd | 28.541 | 0477 | - | Rel-16 | F | eNRM | agreed |
| S5-213089 | Rel-17 CR 28.541 Update table L.2.1 to introduce PM info | Huawei, China Mobile | 28.541 | 0478 | - | Rel-17 | C | EMA5SLA | merged |
| S5-213090 | Rel-17 CR 28.541 Add positioning support in RANSliceSubnetProfile | Huawei, China Mobile | 28.541 | 0479 | - | Rel-17 | B | EMA5SLA | revised |
| S5-213488 | Rel-17 CR 28.541 Add positioning support in RANSliceSubnetProfile | Huawei, China Mobile | 28.541 | 0479 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-213091 | Rel-17 CR 28.541 OpenAPI of adding positioning support in RANSliceSubnetProfile | Huawei, China Mobile | 28.541 | 0480 | - | Rel-17 | B | EMA5SLA | revised |
| S5-213489 | Rel-17 CR 28.541 OpenAPI of adding positioning support in RANSliceSubnetProfile | Huawei, China Mobile | 28.541 | 0480 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-213092 | Rel-17 CR 28.541 Add synchronicity support in RANSliceSubnetProfile | Huawei, China Mobile | 28.541 | 0481 | - | Rel-17 | B | EMA5SLA | revised |
| S5-213490 | Rel-17 CR 28.541 Add synchronicity support in RANSliceSubnetProfile | Huawei, China Mobile | 28.541 | 0481 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-213093 | Rel-17 CR 28.541 OpenAPI of adding synchronicity support in RANSliceSubnetProfile | Huawei, China Mobile | 28.541 | 0482 | - | Rel-17 | B | EMA5SLA | revised |
| S5-213491 | Rel-17 CR 28.541 OpenAPI of adding synchronicity support in RANSliceSubnetProfile | Huawei, China Mobile | 28.541 | 0482 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-213094 | Rel-17 CR 28.541 Update throughput NRM stage 2 | Huawei, China Mobile | 28.541 | 0483 | - | Rel-17 | F | EMA5SLA | merged |
| S5-213492 | Rel-17 CR 28.541 Update throughput NRM stage 2 | Huawei, China Mobile | 28.541 | 0483 | 1 | Rel-17 | F | EMA5SLA | withdrawn |
| S5-213095 | Rel-17 CR 28.541 OpenAPI changes of updating throughput NRM stage 2 | Huawei, China Mobile | 28.541 | 0484 | - | Rel-17 | F | EMA5SLA | merged |
| S5-213493 | Rel-17 CR 28.541 OpenAPI changes of updating throughput NRM stage 2 | Huawei, China Mobile | 28.541 | 0484 | 1 | Rel-17 | F | EMA5SLA | withdrawn |
| S5-213117 | perfReq mapping to domain specific attributes | Ericsson LM | 28.541 | 0485 | - | Rel-17 | C | EMA5SLA | revised |
| S5-213487 | perfReq mapping to domain specific attributes | Ericsson LM,China mobile,Huawei | 28.541 | 0485 | 1 | Rel-17 | C | EMA5SLA | agreed |
| S5-213135 | Rel-17 CR 28.541 Add reliability to CN slice profile | Huawei | 28.541 | 0486 | - | Rel-17 | B | EMA5SLA | revised |
| S5-213686 | Rel-17 CR 28.541 Add reliability to CN slice profile | Huawei | 28.541 | 0486 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-213137 | Rel-17 CR TS 28.541 Enhansement of NRM definition for the NWDAF | Huawei | 28.541 | 0487 | - | Rel-17 | B | adNRM | revised |
| S5-213502 | Rel-17 CR TS 28.541 Enhansement of NRM definition for the NWDAF | Huawei | 28.541 | 0487 | 1 | Rel-17 | B | adNRM | agreed |
| S5-213138 | Rel-17 CR TS 28.541 OpenAPI Enhansement of NRM definition for the NWDAF | Huawei | 28.541 | 0488 | - | Rel-17 | B | adNRM | revised |
| S5-213503 | Rel-17 CR TS 28.541 OpenAPI Enhansement of NRM definition for the NWDAF | Huawei | 28.541 | 0488 | 1 | Rel-17 | B | adNRM | agreed |
| S5-213157 | Rel-16 CR TS 28.541 Correct the description for GNBDUFunction and EP\_NgC | Huawei,China Mobile | 28.541 | 0489 | - | Rel-16 | F | eNRM | agreed |
| S5-213158 | Rel-17 CR TS 28.541 Correct the description for GNBDUFunction and EP\_NgC | Huawei,China Mobile | 28.541 | 0490 | - | Rel-17 | A | eNRM | agreed |
| S5-213160 | Rel-17 CR TS 28.541 improve the readability of EP\_Transport | Huawei | 28.541 | 0491 | - | Rel-17 | F | adNRM | revised |
| S5-213504 | Rel-17 CR TS 28.541 improve the readability of EP\_Transport | Huawei | 28.541 | 0491 | 1 | Rel-17 | F | adNRM | agreed |
| S5-213230 | Add specific slice profile for TN domain | China Mobile Com. Corporation | 28.541 | 0492 | - | Rel-17 | B | EMA5SLA | not pursued |
| S5-213313 | Rel-17 CR TS 28.541 Add Energy efficiency attribute | Orange | 28.541 | 0493 | - | Rel-17 | B | EE5GPLUS | revised |
| S5-213533 | Rel-17 CR TS 28.541 Add Energy efficiency attribute | Orange,Huawei | 28.541 | 0493 | 1 | Rel-17 | B | EE5GPLUS | agreed |
| S5-213326 | Rel-17 CR 28.541 Add energy efficiency to serviceprofile and sliceprofile | Huawei Telecommunication India | 28.541 | 0494 | - | Rel-17 | B | EMA5SLA | merged |
| S5-213372 | CR 28.541 enhance 5GC NRM to support netework slice admission control. | Nokia, Nokia Shanghai Bell | 28.541 | 0495 | - | Rel-17 | B | EMA5SLA | revised |
| S5-213497 | CR 28.541 enhance 5GC NRM to support netework slice admission control. | Nokia, Nokia Shanghai Bell | 28.541 | 0495 | 1 | Rel-17 | B | EMA5SLA | agreed |
| S5-213375 | Rel16 CR 28.541 Update OpenAPI to adapt change in 28.623 | Nokia, Nokia Shanghai Bell | 28.541 | 0496 | - | Rel-16 | F | TEI16 | withdrawn |
| S5-213376 | Rel16 CR 28.541 Add note for RRMPolicy | Nokia, Nokia Shanghai Bell | 28.541 | 0497 | - | Rel-16 | F | TEI16 | not pursued |
| S5-213377 | Rel17 CR 28.541 Add note for RRMPolicy | Nokia, Nokia Shanghai Bell | 28.541 | 0498 | - | Rel-17 | A | TEI16 | revised |
| S5-213465 | Rel17 CR 28.541 Add note for RRMPolicy | Nokia, Nokia Shanghai Bell | 28.541 | 0498 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-213378 | Rel17 CR 28.541 Inclusive language review fixing | Nokia, Nokia Shanghai Bell | 28.541 | 0499 | - | Rel-17 | D | TEI17 | revised |
| S5-213470 | Rel17 CR 28.541 Inclusive language review fixing | Nokia, Nokia Shanghai Bell | 28.541 | 0499 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-213380 | Rel-16 CR 28.541 fix editorial issue of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | 28.541 | 0500 | - | Rel-16 | F | TEI16 | revised |
| S5-213466 | Rel-16 CR 28.541 fix editorial issue of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | 28.541 | 0500 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-213381 | Rel-17 CR 28.541 fix editorial issue of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | 28.541 | 0501 | - | Rel-17 | A | TEI16 | revised |
| S5-213467 | Rel-17 CR 28.541 fix editorial issue of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | 28.541 | 0501 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-213382 | Rel-16 CR 28.541 fix inheritance relation of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | 28.541 | 0502 | - | Rel-16 | F | TEI16 | revised |
| S5-213468 | Rel-16 CR 28.541 fix inheritance relation of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | 28.541 | 0502 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-213383 | Rel-17 CR 28.541 fix inheritance relation of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | 28.541 | 0503 | - | Rel-17 | A | TEI16 | revised |
| S5-213469 | Rel-17 CR 28.541 fix inheritance relation of network slice NRM | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | 28.541 | 0503 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-213384 | Rel-16 CR 28.541 fix cardinality on the NetworkSlice to NetworkSliceSubnet relationship | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | 28.541 | 0504 | - | Rel-16 | F | TEI16 | not pursued |
| S5-213385 | Rel-17 CR 28.541 fix cardinality on the NetworkSlice to NetworkSliceSubnet relationship | Nokia, Nokia Shanghai Bell, Hewlett Packard Enterprise | 28.541 | 0505 | - | Rel-17 | A | TEI16 | not pursued |
| S5-213399 | Correction of 5QI definitions in NRM | Ericsson LM | 28.541 | 0506 | - | Rel-17 | C | adNRM | revised |
| S5-213508 | Correction of 5QI definitions in NRM | Ericsson LM | 28.541 | 0506 | 1 | Rel-17 | C | adNRM | agreed |
| S5-213400 | Rel-17 CR TS 28.541 Enhance the NRM definitions to support NG-RAN network sharing | ZTE Corporation | 28.541 | 0507 | - | Rel-17 | B | MANS | not pursued |
| S5-213412 | Correction on mapping GST attributes | Ericsson LM | 28.541 | 0508 | - | Rel-17 | F | EMA5SLA | revised |
| S5-213496 | Correction on mapping GST attributes | Ericsson LM, Huawei, China Mobile | 28.541 | 0508 | 1 | Rel-17 | F | EMA5SLA | agreed |
| S5-213416 | Correct inconsistencies in definitions around network slice management | Ericsson LM | 28.541 | 0509 | - | Rel-16 | F | eNRM | agreed |
| S5-213418 | Correct inconsistencies in definitions around network slice management | Ericsson LM | 28.541 | 0510 | - | Rel-17 | A | eNRM | agreed |
| S5-213421 | Usage of slice input parameters | Ericsson LM | 28.541 | 0511 | - | Rel-17 | B | EMA5SLA | not pursued |
| S5-213423 | Enhance 5G Core AMF NRM fragment | Nokia Germany | 28.541 | 0512 | - | Rel-17 | B | eNRM | not pursued |
| S5-213439 | Rel-16 28.541 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd | 28.541 | 0513 | - | Rel-16 | F | TEI16 | revised |
| S5-213459 | Rel-16 28.541 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd,Samsung | 28.541 | 0513 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-213440 | Rel-17 28.541 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd | 28.541 | 0514 | - | Rel-17 | A | TEI16 | revised |
| S5-213460 | Rel-17 28.541 Correction to definition for domain centralized SON | Nanjing Ericsson Panda Com Ltd | 28.541 | 0514 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-213319 | Add missing Alarm Requirements and Use Cases | Ericsson LM | 28.545 | 0010 | 2 | Rel-17 | B | TEI17 | agreed |
| S5-213407 | Rel-17 CR 28.552 CHO Measurements | Ericsson France S.A.S | 28.552 | 0287 | 2 | Rel-17 | B | E\_HOO | revised |
| S5-213530 | Rel-17 CR 28.552 CHO Measurements | Ericsson France S.A.S | 28.552 | 0287 | 3 | Rel-17 | B | E\_HOO | agreed |
| S5-213185 | CR Rel-17 28.552 Add measurements related to data record creation for UDR | Intel | 28.552 | 0299 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-213186 | CR Rel-17 28.552 Add measurements related to data record deletion for UDR | Intel | 28.552 | 0300 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-213188 | CR Rel-17 28.552 Add measurements related to data record update for UDR | Intel | 28.552 | 0301 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-213189 | CR Rel-17 28.552 Add measurements related to data modification notification subscription for UDR | Intel | 28.552 | 0302 | - | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-213270 | New measurements for the number of attempted and successfully resumed DRBs | Nokia Solutions & Networks (I) | 28.552 | 0303 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-213677 | New measurements for the number of attempted and successfully resumed DRBs | Nokia Solutions & Networks (I) | 28.552 | 0303 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-213386 | Rel-16 CR 28.552 Fix definition of measurement Average delay DL on F1-U | Nokia, Nokia Shanghai Bell | 28.552 | 0304 | - | Rel-16 | F | TEI16 | agreed |
| S5-213387 | Rel-17 CR 28.552 Fix definition of measurement Average delay DL on F1-U | Nokia, Nokia Shanghai Bell | 28.552 | 0305 | - | Rel-17 | A | TEI16 | agreed |
| S5-213420 | Add PMs on inter-gNB successful and failed handover execution per beam pair | Nokia Germany | 28.552 | 0306 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-213679 | Add PMs on inter-gNB successful and failed handover execution per beam pair | Nokia Germany | 28.552 | 0306 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-213316 | Rel-17 CR 28.554 Update the Accessibility KPI to cover RRC Resume | Ericsson LM | 28.554 | 0075 | 1 | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-213678 | Rel-17 CR 28.554 Update the Accessibility KPI to cover RRC Resume | Ericsson LM | 28.554 | 0075 | 2 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-213052 | Definition of the Total DRB Accessibility KPI | Nokia Solutions & Networks (I) | 28.554 | 0078 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-213510 | Definition of the Total DRB Accessibility KPI | Nokia Solutions & Networks (I) | 28.554 | 0078 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-213080 | Rel-17 CR 28.554 Update on energy efficiency of URLLC network slice | Huawei | 28.554 | 0079 | - | Rel-17 | B | EE5GPLUS | revised |
| S5-213532 | Rel-17 CR 28.554 Update on energy efficiency of URLLC network slice | Huawei | 28.554 | 0079 | 1 | Rel-17 | B | EE5GPLUS | agreed |
| S5-213300 | Rel-17 CR TS 28.554 Add Energy Consumption KPI pour 5G NF and 5G CN | Orange, AT&T, Deutsche Telekom | 28.554 | 0080 | - | Rel-17 | B | EE5GPLUS | revised |
| S5-213534 | Rel-17 CR TS 28.554 Add Energy Consumption KPI pour 5G NF and 5G CN | Orange, AT&T, Deutsche Telekom | 28.554 | 0080 | 1 | Rel-17 | B | EE5GPLUS | agreed |
| S5-213301 | Rel-17 CR TS 28.554 Add EE KPI for eMBB network slice based on RAN meas | Orange, AT&T, Deutsche Telekom | 28.554 | 0081 | - | Rel-17 | B | EE5GPLUS | revised |
| S5-213535 | Rel-17 CR TS 28.554 Add EE KPI for eMBB network slice based on RAN meas | Orange, AT&T, Deutsche Telekom | 28.554 | 0081 | 1 | Rel-17 | B | EE5GPLUS | agreed |
| S5-213198 | Rel-16 CR 28.622 Replace legacy IRPAgent with MnsAgent (stage 2) | Nokia, Nokia Shanghai Bell | 28.622 | 0096 | 2 | Rel-16 | F | TEI16,NETSLICE | revised |
| S5-213684 | Rel-16 CR 28.622 Replace legacy IRPAgent with MnsAgent (stage 2) | Nokia, Nokia Shanghai Bell | 28.622 | 0096 | 3 | Rel-16 | F | TEI16,NETSLICE | agreed |
| S5-213107 | Rel-16 CR 28.622 Addition, adaptation and cleanup of Trace/MDT related parameters (stage2) | Nokia, Nokia Shanghai Bell | 28.622 | 0100 | - | Rel-16 | F | 5GMDT | revised |
| S5-213471 | Rel-16 CR 28.622 Addition, adaptation and cleanup of Trace/MDT related parameters (stage2) | Nokia, Nokia Shanghai Bell | 28.622 | 0100 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-213125 | Rel-17 CR 28.622 Add IOC for discovery of management services | Huawei,Ericsson | 28.622 | 0101 | - | Rel-17 | B | 5GDMS | not pursued |
| S5-213149 | Rel-16 CR 28.622 Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | 28.622 | 0102 | - | Rel-16 | F | METHOGY | agreed |
| S5-213203 | Rel-16 CR 28.622 Clarify a subscription is required for notifyFileReady | Nokia, Nokia Shanghai Bell | 28.622 | 0103 | - | Rel-16 | F | TEI16,NETSLICE | revised |
| S5-213475 | Rel-16 CR 28.622 Clarify a subscription is required for notifyFileReady | Nokia, Nokia Shanghai Bell | 28.622 | 0103 | 1 | Rel-16 | F | TEI16,NETSLICE | agreed |
| S5-213204 | Rel-16 CR 28.622 Clarify definition of PerfMetricJob | Nokia, Nokia Shanghai Bell | 28.622 | 0104 | - | Rel-16 | F | TEI16,NETSLICE | revised |
| S5-213476 | Rel-16 CR 28.622 Clarify definition of PerfMetricJob | Nokia, Nokia Shanghai Bell | 28.622 | 0104 | 1 | Rel-16 | F | TEI16,NETSLICE | agreed |
| S5-213205 | Rel-16 CR 28.622 Clarify the notification filter applies to all parameters of a notification | Nokia, Nokia Shanghai Bell | 28.622 | 0105 | - | Rel-16 | F | TEI16,NETSLICE | agreed |
| S5-213206 | Rel-16 CR 28.622 Correct common notifications table | Nokia, Nokia Shanghai Bell | 28.622 | 0106 | - | Rel-16 | F | TEI16,NETSLICE | agreed |
| S5-213207 | Rel-16 CR 28.622 Add missing definitions of common data types | Nokia, Nokia Shanghai Bell | 28.622 | 0107 | - | Rel-16 | F | TEI16,NETSLICE | not pursued |
| S5-213303 | Rel-16 CR 28.622 Clarify model for managed management functions | Nokia, Nokia Shanghai Bell | 28.622 | 0108 | - | Rel-16 | F | eNRM | not pursued |
| S5-213201 | Rel-16 CR 28.623 Replace legacy IRPAgent with MnsAgent (OpenAPI definition) | Nokia, Nokia Shanghai Bell | 28.623 | 0119 | 1 | Rel-16 | F | TEI16,NETSLICE | revised |
| S5-213685 | Rel-16 CR 28.623 Replace legacy IRPAgent with MnsAgent (OpenAPI definition) | Nokia, Nokia Shanghai Bell | 28.623 | 0119 | 2 | Rel-16 | F | TEI16,NETSLICE | agreed |
| S5-213126 | Rel-17 CR 28.623 Add IOC for discovery of management services | Huawei | 28.623 | 0126 | - | Rel-17 | B | 5GDMS | not pursued |
| S5-213187 | Rel-16 CR 28.623 Addition, adaptation and cleanup of Trace/MDT related parameters (stage 3) | Nokia, Nokia Shanghai Bell | 28.623 | 0127 | - | Rel-16 | F | 5GMDT | revised |
| S5-213472 | Rel-16 CR 28.623 Addition, adaptation and cleanup of Trace/MDT related parameters (stage 3) | Nokia, Nokia Shanghai Bell | 28.623 | 0127 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-213208 | Rel-16 CR 28.623 Align Trace/MDT related parameters to TS 32.422 (OpenAPI definition) | Nokia, Nokia Shanghai Bell | 28.623 | 0128 | - | Rel-16 | F | 5GMDT | revised |
| S5-213473 | Rel-16 CR 28.623 Align Trace/MDT related parameters to TS 32.422 (OpenAPI definition) | Nokia, Nokia Shanghai Bell | 28.623 | 0128 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-213233 | Rel-16 CR 28.623 Clean up regarding common data types (OpenAPI definition) | Nokia, Nokia Shanghai Bell | 28.623 | 0129 | - | Rel-16 | F | TEI16,REST\_SS | revised |
| S5-213478 | Rel-16 CR 28.623 Clean up regarding common data types (OpenAPI definition) | Nokia, Nokia Shanghai Bell | 28.623 | 0129 | 1 | Rel-16 | F | TEI16,REST\_SS | agreed |
| S5-213388 | Rel-16 CR 28.623 Correct definition of additionalInformation (YANG) | Nokia, Nokia Shanghai Bell | 28.623 | 0130 | - | Rel-16 | F | eNRM | agreed |
| S5-213172 | Rel-17 CR TS 32.130 Add requirememts for management support for 5G MOCN network sharing scenario with same Cell Identity | Huawei,China Mobile,Ericsson,China Telecom | 32.130 | 0011 | - | Rel-17 | B | MANS | agreed |
| S5-213173 | Rel-17 CR TS 32.130 Add requirememts for management support for 5G MOCN network sharing scenario with multiple Cell Identity | Huawei,China Mobile,Ericsson,China Telecom | 32.130 | 0012 | - | Rel-17 | B | MANS | revised |
| S5-213541 | Rel-17 CR TS 32.130 Add requirememts for management support for 5G MOCN network sharing scenario with multiple Cell Identity | Huawei,China Mobile,Ericsson,China Telecom | 32.130 | 0012 | 1 | Rel-17 | B | MANS | agreed |
| S5-213401 | Rel-17 CR TS 32.130 add mixed NG-RAN sharing use case and requirements | ZTE Corporation | 32.130 | 0013 | - | Rel-17 | B | MANS | revised |
| S5-213542 | Rel-17 CR TS 32.130 add mixed NG-RAN sharing use case and requirements | ZTE Corporation | 32.130 | 0013 | 1 | Rel-17 | B | MANS | agreed |
| S5-213402 | Rel-17 CR TS 32.130 add NG-RAN sharing isolation use case and requirements | ZTE Corporation | 32.130 | 0014 | - | Rel-17 | B | MANS | not pursued |
| S5-213108 | Rel-16 CR 32.158 Correct definitions of resource creation | Nokia, Nokia Shanghai Bell | 32.158 | 0017 | - | Rel-16 | F | TEI16,REST\_SS | revised |
| S5-213479 | Rel-16 CR 32.158 Correct definitions of resource creation | Nokia, Nokia Shanghai Bell | 32.158 | 0017 | 1 | Rel-16 | F | TEI16,REST\_SS | agreed |
| S5-213109 | Rel-16 CR 32.158 Correct definitions of resource update | Nokia, Nokia Shanghai Bell | 32.158 | 0018 | - | Rel-16 | F | TEI16,REST\_SS | not pursued |
| S5-213110 | Rel-16 CR 32.158 Correct definition of the REST SS specification template | Nokia, Nokia Shanghai Bell | 32.158 | 0019 | - | Rel-16 | F | TEI16,REST\_SS | agreed |
| S5-213268 | Rel-17 CR TS 32.160 Update on template for requirement specifications | Huawei | 32.160 | 0013 | 3 | Rel-17 | C | METHOGY, TEI17 | revised |
| S5-213455 | Rel-17 CR TS 32.160 Update on template for requirement specifications | Huawei | 32.160 | 0013 | 4 | Rel-17 | C | METHOGY, TEI17 | agreed |
| S5-213100 | Rel-16 CR 32.160 Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | 32.160 | 0017 | - | Rel-16 | F | METHOGY | agreed |
| S5-213101 | Rel-16 CR 28.622 Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | 32.160 | 0018 | - | Rel-16 | F | METHOGY | withdrawn |
| S5-213102 | Rel-16 CR 28.532 Align different (abbreviated) names for support qualifier to “S” | Nokia, Nokia Shanghai Bell | 32.160 | 0019 | - | Rel-16 | F | METHOGY | withdrawn |
| S5-213104 | Rel-16 CR 32.160 Change format for NRM stage 3 definition rules from JSON to YAML | Nokia, Nokia Shanghai Bell | 32.160 | 0020 | - | Rel-16 | F | REST\_SS | revised |
| S5-213480 | Rel-16 CR 32.160 Change format for NRM stage 3 definition rules from JSON to YAML | Nokia, Nokia Shanghai Bell | 32.160 | 0020 | 1 | Rel-16 | F | REST\_SS | agreed |
| S5-213146 | Rel-17 CR 32.240 Delete PGW in logical ubiquitous charging architecture- service based interface | China Mobile Com. Corporation | 32.240 | 0423 | - | Rel-17 | F | TEI17\_NIESGU | revised |
| S5-213594 | Rel-17 CR 32.240 Delete PGW in logical ubiquitous charging architecture- service based interface | China Mobile Com. Corporation | 32.240 | 0423 | 1 | Rel-17 | F | TEI17\_NIESGU | agreed |
| S5-213249 | Rel-16 CR 32.240 Clarify the Charging data configuration | Huawei | 32.240 | 0424 | - | Rel-16 | F | TEI16 | revised |
| S5-213628 | Rel-16 CR 32.240 Clarify the Charging data configuration | Huawei | 32.240 | 0424 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-213250 | Rel-17 CR 32.240 Clarify the Charging data configuration | Huawei | 32.240 | 0425 | - | Rel-17 | A | TEI16 | revised |
| S5-213629 | Rel-17 CR 32.240 Clarify the Charging data configuration | Huawei | 32.240 | 0425 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-213275 | Rel-17 CR 32.240 Correction on Reference Points on 5GS | Nokia, Nokia Shanghai Bell | 32.240 | 0426 | - | Rel-17 | F | TEI17 | revised |
| S5-213638 | Rel-17 CR 32.240 Correction on Reference Points on 5GS | Nokia, Nokia Shanghai Bell | 32.240 | 0426 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-213285 | Rel-17 CR 32.251 Introduction of PSCell ID in SGW CDR | Nokia, Nokia Shanghai Bell | 32.251 | 0518 | - | Rel-17 | C | EDCE5-CH, TEI17 | agreed |
| S5-213286 | Rel-17 CR 32.251 Correction on Secondary RAT reporting | Nokia, Nokia Shanghai Bell | 32.251 | 0519 | - | Rel-17 | F | EDCE5-CH, TEI17 | agreed |
| S5-213277 | Rel-17 CR 32.254 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | 32.254 | 0017 | - | Rel-17 | B | TEI17 | revised |
| S5-213640 | Rel-17 CR 32.254 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | 32.254 | 0017 | 1 | Rel-17 | B | TEI17 | agreed |
| S5-213148 | Rel-17 CR 32.255 Support of GERAN-UTRAN access by SMF+PGW-C | China Mobile Com. Corporation | 32.255 | 0301 | - | Rel-17 | B | TEI17\_NIESGU | revised |
| S5-213596 | Rel-17 CR 32.255 Support of GERAN-UTRAN access by SMF+PGW-C | China Mobile Com. Corporation | 32.255 | 0301 | 1 | Rel-17 | B | TEI17\_NIESGU | agreed |
| S5-213240 | Rel-16 CR 32.255 Correct the Handover description | Huawei | 32.255 | 0302 | - | Rel-16 | F | TEI16 | revised |
| S5-213653 | Rel-16 CR 32.255 Correct the Handover description | Huawei | 32.255 | 0302 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-213241 | Rel-17 CR 32.255 Correct the Handover description | Huawei | 32.255 | 0303 | - | Rel-17 | A | TEI16 | revised |
| S5-213654 | Rel-17 CR 32.255 Correct the Handover description | Huawei | 32.255 | 0303 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-213243 | Rel-16 CR 32.255 Correct the PRA reporting information | Huawei | 32.255 | 0304 | - | Rel-16 | F | TEI16 | revised |
| S5-213625 | Rel-16 CR 32.255 Correct the PRA reporting information | Huawei | 32.255 | 0304 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-213244 | Rel-17 CR 32.255 Correct the PRA reporting information | Huawei | 32.255 | 0305 | - | Rel-17 | A | TEI16 | revised |
| S5-213626 | Rel-17 CR 32.255 Correct the PRA reporting information | Huawei | 32.255 | 0305 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-213253 | Rel-17 CR 32.255 Correct the message flow for URLLC Charging | Huawei | 32.255 | 0306 | - | Rel-17 | B | 5G\_URLLC | revised |
| S5-213593 | Rel-17 CR 32.255 Correct the message flow for URLLC Charging | Huawei | 32.255 | 0306 | 1 | Rel-17 | B | 5G\_URLLC | agreed |
| S5-213254 | Rel-17 CR 32.255 Add the definition for non-redandunt transmission | Huawei | 32.255 | 0307 | - | Rel-17 | B | 5G\_URLLC | revised |
| S5-213648 | Rel-17 CR 32.255 Add the definition for non-redandunt transmission | Huawei | 32.255 | 0307 | 1 | Rel-17 | B | 5G\_URLLC | agreed |
| S5-213255 | Rel-17 CR 32.255 Remove the editor's note about the usage reporting | Huawei | 32.255 | 0308 | - | Rel-17 | B | 5G\_URLLC | not pursued |
| S5-213256 | Rel-17 CR 32.255 Add RSN for URLLC Charging | Huawei | 32.255 | 0309 | - | Rel-17 | B | 5G\_URLLC | revised |
| S5-213646 | Rel-17 CR 32.255 Add RSN for URLLC Charging | Huawei | 32.255 | 0309 | 1 | Rel-17 | B | 5G\_URLLC | agreed |
| S5-213276 | Rel-17 CR 32.255 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | 32.255 | 0310 | - | Rel-17 | B | TEI17 | revised |
| S5-213639 | Rel-17 CR 32.255 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | 32.255 | 0310 | 1 | Rel-17 | B | TEI17 | agreed |
| S5-213279 | Rel-16 CR 32.255 Correction on support of CHF set | Nokia, Nokia Shanghai Bell, Matrixx | 32.255 | 0311 | - | Rel-16 | F | TEI16 | agreed |
| S5-213280 | Rel-17 CR 32.255 Correction on support of CHF set | Nokia, Nokia Shanghai Bell, Matrixx | 32.255 | 0312 | - | Rel-17 | A | TEI16 | agreed |
| S5-213302 | Rel-16 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | 32.255 | 0313 | - | Rel-16 | F | 5WWC | revised |
| S5-213631 | Rel-16 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | 32.255 | 0313 | 1 | Rel-16 | F | 5WWC | agreed |
| S5-213305 | Rel-17 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | 32.255 | 0314 | - | Rel-17 | A | 5WWC | revised |
| S5-213632 | Rel-17 CR 32.255 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | 32.255 | 0314 | 1 | Rel-17 | A | 5WWC | agreed |
| S5-213344 | Rel-16 CR 32.255 Correcting of sequence number interpretation | Ericsson LM | 32.255 | 0315 | - | Rel-16 | F | TEI16 | not pursued |
| S5-213345 | Rel-17 CR 32.255 Correcting of sequence number interpretation | Ericsson LM | 32.255 | 0316 | - | Rel-17 | A | TEI16 | not pursued |
| S5-213346 | Rel-16 CR 32.255 Correcting handling of volume quota threshold per UPF | Ericsson LM | 32.255 | 0317 | - | Rel-16 | F | TEI16 | not pursued |
| S5-213347 | Rel-17 CR 32.255 Correcting handling of volume quota threshold per UPF | Ericsson LM | 32.255 | 0318 | - | Rel-17 | A | TEI16 | not pursued |
| S5-213251 | Rel-17 CR TS 32.260 Update some description of offline only charging | Huawei | 32.260 | 0420 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-213587 | Rel-17 CR TS 32.260 Update some description of offline only charging | Huawei | 32.260 | 0420 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-213273 | Rel-17 CR 32.260 Introduction of CHF selection using NRF | Nokia, Nokia Shanghai Bell | 32.260 | 0421 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-213589 | Rel-17 CR 32.260 Introduction of CHF selection using NRF | Nokia, Nokia Shanghai Bell | 32.260 | 0421 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-213274 | Rel-17 CR 32.260 Introduction of IMS converged charging architecture in Reference Points | Nokia, Nokia Shanghai Bell | 32.260 | 0422 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-213590 | Rel-17 CR 32.260 Introduction of IMS converged charging architecture in Reference Points | Nokia, Nokia Shanghai Bell | 32.260 | 0422 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-213337 | Rel-17 CR 32.260 Correcting capturing of missing location information | Ericsson LM | 32.260 | 0423 | - | Rel-17 | F | TEI17 | revised |
| S5-213642 | Rel-17 CR 32.260 Correcting capturing of missing location information | Ericsson LM | 32.260 | 0423 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-213278 | Rel-17 CR 32.274 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | 32.274 | 0080 | - | Rel-17 | B | TEI17 | revised |
| S5-213641 | Rel-17 CR 32.274 Correction on Reference Points for 5GS | Nokia, Nokia Shanghai Bell | 32.274 | 0080 | 1 | Rel-17 | B | TEI17 | agreed |
| S5-213339 | Rel-16 CR 32.274 Correcting SMS Result coding | Ericsson LM | 32.274 | 0081 | - | Rel-16 | F | TEI16 | revised |
| S5-213635 | Rel-16 CR 32.274 Correcting SMS Result coding | Ericsson LM | 32.274 | 0081 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-213353 | Rel-17 CR 32.275 Adding CHF announcement handling | Ericsson LM | 32.275 | 0080 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-213591 | Rel-17 CR 32.275 Adding CHF announcement handling | Ericsson LM | 32.275 | 0080 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-213354 | Rel-17 CR 32.275 Adding converged charging flows | Ericsson LM | 32.275 | 0081 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-213647 | Rel-17 CR 32.275 Adding converged charging flows | Ericsson LM | 32.275 | 0081 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-213355 | Rel-17 CR 32.275 Adding converged charging data description | Ericsson LM | 32.275 | 0082 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-213592 | Rel-17 CR 32.275 Adding converged charging data description | Ericsson LM | 32.275 | 0082 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-213147 | Rel-17 CR 32.290 Delete PGW as consumer of ConvergedCharging service | China Mobile Com. Corporation | 32.290 | 0159 | - | Rel-17 | F | TEI17\_NIESGU | revised |
| S5-213595 | Rel-17 CR 32.290 Delete PGW as consumer of ConvergedCharging service | China Mobile Com. Corporation | 32.290 | 0159 | 1 | Rel-17 | F | TEI17\_NIESGU | agreed |
| S5-213252 | Rel-17 CR 32.290 Add IMS Information in Offline Only Charging | Huawei | 32.290 | 0160 | - | Rel-17 | B | 5GSIMSCH | revised |
| S5-213588 | Rel-17 CR 32.290 Add IMS Information in Offline Only Charging | Huawei | 32.290 | 0160 | 1 | Rel-17 | B | 5GSIMSCH | agreed |
| S5-213281 | Rel-16 CR 32.290 Correction on support of CHF set and CHF service set | Nokia, Nokia Shanghai Bell, Matrixx | 32.290 | 0161 | - | Rel-16 | F | TEI16 | revised |
| S5-213644 | Rel-16 CR 32.290 Correction on support of CHF set and CHF service set | Nokia, Nokia Shanghai Bell, Matrixx | 32.290 | 0161 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-213282 | Rel-17 CR 32.290 Correction on support of CHF set and CHF service set | Nokia, Nokia Shanghai Bell, Matrixx | 32.290 | 0162 | - | Rel-17 | A | TEI16 | revised |
| S5-213645 | Rel-17 CR 32.290 Correction on support of CHF set and CHF service set | Nokia, Nokia Shanghai Bell, Matrixx | 32.290 | 0162 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-213341 | Rel-16 CR 32.290 Correcting of sequence number interpretation | Ericsson LM | 32.290 | 0163 | - | Rel-16 | F | TEI16 | not pursued |
| S5-213342 | Rel-17 CR 32.290 Correcting of sequence number interpretation | Ericsson LM | 32.290 | 0164 | - | Rel-17 | A | TEI16 | not pursued |
| S5-213245 | Rel-16 CR 32.291 Clarify the Presence Reporting Area information | Huawei | 32.291 | 0319 | - | Rel-16 | F | TEI16 | not pursued |
| S5-213246 | Rel-16 CR 32.291 Correct the Nchf\_ OfflineOnlyCharging API resource definition | Huawei | 32.291 | 0320 | - | Rel-16 | F | TEI16 | revised |
| S5-213627 | Rel-16 CR 32.291 Correct the Nchf\_ OfflineOnlyCharging API resource definition | Huawei | 32.291 | 0320 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-213247 | Rel-16 CR 32.291 Correct the Nchf\_ ConvergedCharging API resource definition | Huawei | 32.291 | 0321 | - | Rel-16 | F | TEI16 | agreed |
| S5-213248 | Rel-16 CR 32.291 Clarify the User Location information | Huawei | 32.291 | 0322 | - | Rel-16 | F | TEI16 | not pursued |
| S5-213283 | Rel-16 CR 32.291 Correction on Presence Reporting Areas(s) subscription in AMF | Nokia, Nokia Shanghai Bell | 32.291 | 0323 | - | Rel-16 | F | 5GS\_Ph1\_AMFCH | revised |
| S5-213630 | Rel-16 CR 32.291 Correction on Presence Reporting Areas(s) subscription in AMF | Nokia, Nokia Shanghai Bell | 32.291 | 0323 | 1 | Rel-16 | F | 5GS\_Ph1\_AMFCH | agreed |
| S5-213284 | Rel-16 CR 32.291 Correction on missing binding attributes | Nokia, Nokia Shanghai Bell | 32.291 | 0324 | - | Rel-16 | F | TEI16 | agreed |
| S5-213306 | Rel-16 CR 32.291 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | 32.291 | 0325 | - | Rel-16 | F | 5WWC | revised |
| S5-213633 | Rel-16 CR 32.291 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | 32.291 | 0325 | 1 | Rel-16 | F | 5WWC | agreed |
| S5-213343 | Rel-16 CR 32.291 Correcting of sequence number interpretation | Ericsson LM | 32.291 | 0326 | - | Rel-16 | F | TEI16 | not pursued |
| S5-213349 | Rel-17 CR 32.291 Correcting of reporting errors in notification responses | Ericsson LM | 32.291 | 0327 | - | Rel-17 | F | TEI17 | withdrawn |
| S5-213350 | Rel-16 CR 32.291 Correcting feature handling for ETSUN | Ericsson LM | 32.291 | 0328 | - | Rel-16 | F | ETSUN | revised |
| S5-213622 | Rel-16 CR 32.291 Correcting feature handling for ETSUN | Ericsson LM | 32.291 | 0328 | 1 | Rel-16 | F | ETSUN | agreed |
| S5-213351 | Rel-16 CR 32.291 Correcting timestamp definition | Ericsson LM | 32.291 | 0329 | - | Rel-16 | F | TEI16 | withdrawn |
| S5-213352 | Rel-17 CR 32.291 Correcting filter rule as list | Ericsson LM | 32.291 | 0330 | - | Rel-17 | F | TEI17 | not pursued |
| S5-213314 | Rel-16 CR 32.298 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | 32.298 | 0867 | - | Rel-16 | F | 5WWC | revised |
| S5-213634 | Rel-16 CR 32.298 Correction on PDU address using DHCPv6 for connected RG to 5GC | Matrixx | 32.298 | 0867 | 1 | Rel-16 | F | 5WWC | agreed |
| S5-213338 | Rel-16 CR 32.298 Correcting IPv6 text description | Ericsson LM | 32.298 | 0868 | - | Rel-16 | F | TEI16 | revised |
| S5-213614 | Rel-16 CR 32.298 Correcting IPv6 text description | Ericsson LM | 32.298 | 0868 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-213340 | Rel-16 CR 32.298 Correcting SMS Result coding | Ericsson LM | 32.298 | 0869 | - | Rel-16 | F | TEI16 | not pursued |
| S5-213348 | Rel-16 CR 32.298 Correcting multiple presence reporting area information | Ericsson LM | 32.298 | 0870 | - | Rel-16 | F | TEI16 | agreed |
| S5-213425 | Rel-16 CR 32.298 Correcting timestamp definition | Ericsson LM | 32.298 | 0871 | - | Rel-16 | F | TEI16 | not pursued |
| S5-213057 | Add new requirement for measurement pollution indication in NR | Ericsson LM | 32.421 | 0099 | - | Rel-17 | B | e\_5GMDT | agreed |
| S5-213224 | CR TS 32.421 Update inclusive language | Huawei | 32.421 | 0100 | - | Rel-17 | F | TEI17 | revised |
| S5-213481 | CR TS 32.421 Update inclusive language | Huawei | 32.421 | 0100 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-213055 | Correct collection periods applied for MDT activation and handover in NR | Ericsson LM | 32.422 | 0366 | - | Rel-16 | F | 5GMDT | revised |
| S5-213498 | Rel-16 CR 32.422 Correction, alignment and cleanup of Trace/MDT related parameters | Ericsson LM | 32.422 | 0366 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-213056 | Correct collection periods applied for MDT activation and handover in NR | Ericsson LM | 32.422 | 0367 | - | Rel-17 | A | 5GMDT | merged |
| S5-213116 | Rel-17 CR 32.422 Correction, alignment and cleanup of Trace/MDT related parameters | Nokia, Nokia Shanghai Bell | 32.422 | 0368 | - | Rel-17 | F | e\_5GMDT | revised |
| S5-213474 | Rel-17 CR 32.422 Correction, alignment and cleanup of Trace/MDT related parameters | Nokia, Nokia Shanghai Bell,Ericsson | 32.422 | 0368 | 1 | Rel-17 | A | 5GMDT | agreed |
| S5-213054 | Add new adminstrative messages in GPB trace record format | Ericsson LM | 32.423 | 0123 | - | Rel-17 | B | e\_5GMDT | revised |
| S5-213501 | Add new adminstrative messages in GPB trace record format | Ericsson LM | 32.423 | 0123 | 1 | Rel-17 | B | e\_5GMDT | agreed |
| S5-213177 | Add MDT polluted measurement indication for trace record in NR | Ericsson LM | 32.423 | 0124 | - | Rel-17 | B | e\_5GMDT | revised |
| S5-213500 | Add MDT polluted measurement indication for trace record in NR | Ericsson LM | 32.423 | 0124 | 1 | Rel-17 | B | e\_5GMDT | agreed |
| S5-213111 | New measurement for number of normally released calls (QCI1 E-RAB) initiated by MME in RLF detected conditions | Nokia Solutions & Networks (I) | 32.425 | 0201 | - | Rel-17 | B | ePM\_KPI\_5G | revised |
| S5-213511 | New measurement for number of normally released calls (QCI1 E-RAB) initiated by MME in RLF detected conditions | Nokia Solutions & Networks (I) | 32.425 | 0201 | 1 | Rel-17 | B | ePM\_KPI\_5G | agreed |
| S5-213398 | Add Exception Reporting Support to PM File Format Definition | Ericsson LM | 32.432 | 0008 | - | Rel-17 | C | ePM\_KPI\_5G | not pursued |
| S5-213397 | Add Exception Reporting Support to PM XML File Schema | Ericsson LM | 32.435 | 0011 | - | Rel-17 | C | ePM\_KPI\_5G | not pursued |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S5-213020 |  | Resubmited LS from WSOLU to 3GPP SA5 - 5G charging architecture for wholesale scenarios | GSMA | replied to | S5-213583 |
| S5-213021 |  | Resubmitted LS to SA5 on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | R3-211334 | replied to | S5-213499 |
| S5-213022 |  | Resubmitted LS/r on work progress on M.resm-AI "Requirements for energy saving management of 5G RAN system with AI" (reply to 3GPP SA5-LS1225) | ITU-T SG2 | noted | (none) |
| S5-213023 |  | Resubmitted LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-204647) | ITU-T SG2 | replied to | S5-213454 |
| S5-213024 |  | LS ccSA5 on 5G capabilities exposure for factories of the future - revised | 5G Alliance for Connected Industries and Automation (5G-ACIA) | noted | S5-213448 |
| S5-213025 |  | LS on Information on the port number allocation solutions | C4-211806 | noted | (none) |
| S5-213026 |  | LS ccSA5 on Requirement on Support of VxLAN Tunnelling | C4-211827 | noted | (none) |
| S5-213027 |  | Ls on Broadband Forum Response to 3GPP/SA5 Liaison S5-193350 (LIAISE-293) | BBF | noted | (none) |
| S5-213028 |  | LS on Multi-SDO Autonomous Networks (AN) Formal Liaison:  19th April 2021 Meeting Invitation, agenda, Bridge, and  Meeting Schedule | TM Forum | replied to | S5-213444 |
| S5-213029 |  | LS from GSMA Operator Platform Group on edge computing definition and integration. | GSMA | noted | S5-213443 |
| S5-213030 |  | Reply LS on QoE Measurement Collection for LTE | RP-210922 | postponed | (none) |
| S5-213031 |  | Reply LS on making PSCell ID available at the SGW of EPC | S2-2100248 | postponed | (none) |
| S5-213032 |  | LS Response on Network Slice PA Charging per maximum utilized bandwidth | S2-2101347 | noted | (none) |
| S5-213033 |  | Reply LS on 5G ProSe charging updates | S2-2101598 | noted | (none) |
| S5-213034 |  | Reply LS ccSA5 on propagation of user consent related information during Xn inter-PLMN handover | S3-211330 | noted | (none) |
| S5-213035 |  | Reply LS on the user consent for trace reporting | S3-211338 | noted | (none) |
| S5-213036 |  | LS on EDGEAPP | S6-210630 | replied to | S5-213445 |
| S5-213037 |  | LS on slicing management aspects in relation to SEAL | S6-210709 | postponed | ???? |
| S5-213044 |  | LS ccSA5 on Requirement on Support of VxLAN Tunnelling | S2-2103236 | noted | (none) |
| S5-213047 |  | Reply LS ccSA5 on Edge computing definition and integration | S6-210976 | noted | (none) |
| S5-213048 |  | Reply LS to SA5 on network sharing with multiple SSBs in a carrier | R2-2104606 | postponed | ???? |
| S5-213051 |  | LS ccSA5 on Clarification on the API design principles | C3-212554 | noted | (none) |
| S5-213098 |  | Response LS to SA5 on handover terminology | R2-2104358 | noted | (none) |
| S5-213178 |  | Ls to SA5 on 3GPP Edge Computing coordination | S6-210978 | replied to | S5-213449 |
| S5-213294 |  | LS reply to GSMA ccSA5 Operator Platform Group on edge computing definition and integration | ETSI ISG MEC | noted | (none) |
| S5-213295 |  | LS on NG.116 support of service categories | GSMA | noted | (none) |
| S5-213297 |  | LS reply to 3GPP SA5 on Network Slice EE KPIs | GSMA | postponed | (none) |
| S5-213442 |  | LS on UPF support for multiple network slices | C4-212560 | replied to | S5-213447 |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-213443 | Reply LS on Operator Platform Group on edge computing definition and integration. | SA | SA2,SA6 | S5-213029 |
| S5-213444 | Reply to: LS on Multi-SDO Autonomous Networks (AN) Formal Liaison:  19th April 2021 Meeting Invitation, agenda, Bridge, and  Meeting Schedule | TM Forum | SA | S5-213028 |
| S5-213445 | Reply to: LS on EDGEAPP | SA6 | SA,SA2 | S5-213036 |
| S5-213447 | Reply to: LS on UPF support for multiple network slices | CT4 | SA2 | S5-213442 |
| S5-213448 | LS to SA on 5G capabilities exposure for factories of the future - revised | SA | - | S5-213024 |
| S5-213449 | LS reply to SA on GSMA 3GPP Edge Computing coordination | SA, SA6 and SA2 | - | S5-213178 |
| S5-213454 | Reply to: Resubmitted LS/r on methodology harmonization and REST-based network management framework (reply to 3GPP TSG SA5-S5-204647) | ITU-T SG2 | - | S5-213023 |
| S5-213456 | LS on progress of study items for security on management aspec | SA3 | - | - |
| S5-213499 | Reply to: Resubmitted LS to SA5 on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions | RAN3 | - | S5-213021 |
| S5-213522 | LS to TM Forum on Intent Management | TM Forum | - | - |
| S5-213583 | Reply to: Resubmited LS from WSOLU to 3GPP SA5 - 5G charging architecture for wholesale scenarios | GSMA WSOLU | SA2, GSMA NG, GSMA IDS | S5-213020 |
| S5-213683 | LS to RAN2&RAN3 on Inclusive language for ANR | RAN2,RAN3 | - |  |
| S5-213689 | LS on using SA5 Performance Measurements and Trace for centralised PCI management | RAN2 | - |  |

## Annex D: List of agreed/approved new and revised Work Items

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S5-213457 | New SID on Management Aspects of 5G Network Sharing | China Unicom | SID new |
| S5-213606 | New SID on Nchf charging service phase 2 | Ericsson LM | SID new |
| S5-213607 | New SID on 5G roaming charging architecture for wholesale and retail scenarios | Ericsson LM | SID new |
| S5-213458 | New WID on Edge Computing Management | Samsung Electronics France SA | WID new |
| S5-213605 | Revised WID on N40 Interface Enhancements to Support GERAN and UTRAN | China Mobile Com. Corporation | WID revised |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S5-213038 | 28.104 | 0.0.0 | Initial skeleton (v0.0.0) of TS 28.104 |
| S5-213042 | 28.925 | 0.0.0 | Initial skeleton (v0.0.0) of TS 28.925 |
| S5-213043 | 28.925 | 0.0.1 | Initial skeleton (v0.0.1) of TR 28.925 |
| S5-213046 | 28.824 | 0.0.0 | Initial skeleton (v0.0.0) of TR 28.824 |
| S5-213059 | 28.819 | 0.0.0 | Initial Skeleton of 28.819 |
| S5-213567 | 28.818 | 0.1.0 | Latest draft TR 28.818 |
| S5-213575 | 28.312 | 0.5.0 | Latest draft TS 28.312 |
| S5-213578 | 28.557 | 0.5.0 | Latest draft TS 28.557 |
| S5-213579 | 28.100 | 0.5.0 | Latest draft TS 28.100 |
| S5-213580 | 28.555 | 1.3.0 | Latest draft TS 28.555 |
| S5-213581 | 28.556 | 0.2.0 | Latest draft TS 28.556 |
| S5-213603 | 28.815 | 0.6.0 | draft TR 28.815 |
| S5-213612 | 32.846 | 0.5.0 | Draft TR 32.846 |
| S5-213616 | 28.822 | 0.3.0 | Draft TR 28.822 |
| S5-213624 | 32.847 | 0.3.0 | Draft TR 32.847 |
| S5-213652 | 28.816 | 0.5.0 | Draft TR 28.816 |
| S5-213662 | 28.314 | 0.1.0 | Latest draft TS 28.314 |
| S5-213663 | 28.315 | 0.1.0 | Latest draft TS 28.315 |
| S5-213664 | 28.316 | 0.1.0 | Latest draft TS 28.316 |
| S5-213665 | 28.813 | 0.6.0 | Latest draft TR 28.813 |
| S5-213666 | 28.814 | 0.5.0 | Latest draft TR 28.814 |
| S5-213667 | 28.811 | 0.5.0 | Latest draft TR 28.811 |
| S5-213668 | 28.817 | 0.3.0 | Latest draft TR 28.817 |
| S5-213669 | 28.824 | 0.1.0 | Latest draft TR 28.824 |
| S5-213670 | 28.819 | 0.1.0 | Latest draft TR 28.819 |
| S5-213671 | 28.925 | 0.1.0 | Latest draft TR 28.925 |

## 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. | Bizzarri | Simone | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Mr. | Braam | Sjors | TNO | KPN N.V. |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI |
| Mr. | Cao | Gen | China Unicom | China Unicom |
| 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 International Ltd |
| Miss | CHEN | SHAN | Huawei Tech.(UK) Co.. Ltd | HiSilicon Technologies Co. Ltd |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | Intel Corporation (UK) Ltd |
| Mr. | Chuberre | Nicolas | THALES | THALES |
| Dr. | Cornily | Jean Michel | Orange | Orange Spain |
| Mr. | DEJARDIN | Pascal | Orange | Orange |
| Mr. | Dempo | Hiroshi | NEC Corporation | NEC Corporation |
| Miss | Dong | Jia | China Mobile E-Commerce Co. | China Mobile Com. 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 |
| Mr. | Gao | Xiao-Ming | Ericsson LM | Ericsson LM |
| Mrs. | Gardella | Maryse | Nokia France | Nokia France |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | Samsung Electronics France SA |
| Mr. | Glozman | Borislav | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Mr. | Goldberg | Martin | U.S. Department of Defense | U.S. Department of Defense |
| Mr. | Goldberg | Martin | U.S. National Security Agency | U.S. National Security Agency |
| Mr. | Görmer | Gerald | Matrixx | Matrixx |
| Mr. | Groenendijk | Jan | Ericsson LM | Ericsson LM |
| Miss | Guo | Chuyi | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Miss | Guo | Shasha | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Gupta | Nishant | Samsung Electronics Co., Ltd | Samsung Electronics GmbH |
| Mr. | Gupta | Varini | Samsung R&D Institute India | Samsung Electronics Nordic AB |
| Mr. | Hassett | Brendan | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Sweden AB |
| Mr. | Horvat | Atila | Hewlett-Packard Enterprise | Hewlett-Packard Enterprise |
| Mr. | Jan | Onnegren | Ericsson LM | Ericsson LM |
| Miss | JIA | Xiaoqian | HUAWEI TECHNOLOGIES Co. Ltd. | HuaWei Technologies Co., Ltd |
| Mr. | Ju | Manchang | ZTE Corporation | ZTE Corporation |
| Mr. | Klotz | Michael | Deutsche Telekom AG | Deutsche Telekom AG |
| Dr. | Kollar | Martin | Nokia Solutions & Networks (I) | Nokia Solutions & Networks (I) |
| Ms. | Koser | Elizabeth | U.S. Department of Defense | U.S. Department of Defense |
| Mr. | Lei | Yu | Beijing Xiaomi Mobile Software | Xiaomi Communications |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | Ericsson Hungary Ltd |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Nanjing Ericsson Panda Com Ltd |
| Mrs. | li | jing | China Unicom | China Unicom |
| Mr. | Li | Shitao | Huawei Tech.(UK) Co.. Ltd | HUAWEI TECH. GmbH |
| Miss | Li | Yexing | Huawei Tech.(UK) Co.. Ltd | HUAWEI TECHNOLOGIES Co. Ltd. |
| Mr. | Libunao | Gerardo | Verizon UK Ltd | Verizon UK Ltd |
| Mr. | Lindblad | Jan | Cisco Systems Belgium | Cisco Systems Belgium |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Mobile Software | Beijing Xiaomi Software Tech |
| Miss | Liu | Jiayifan | China Telecomunication Corp. | China Telecomunication Corp. |
| Miss | Liu | Yubing | China Telecomunication Corp. | China Telecomunication Corp. |
| Ms. | Lu | Wei | Xiaomi Technology | Xiaomi Technology |
| Miss | Ma | Mengyuan | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Malashnyak | Volodymyr | Ericsson LM | Ericsson LM |
| Mr. | Mansfield | Scott | Ericsson LM | Ericsson LM |
| Mr. | McNamee | Alan | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Ing. | Moggio | Fabrizio | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Dr. | Mwanje | Stephen | Nokia | Nokia Germany |
| Mr. | Nakano | Yusuke | KDDI Corporation | KDDI Corporation |
| Ms. | Niu | Yuxia | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Mr. | Ordonez-Lucena | Jose | TELEFONICA S.A. | TELEFONICA S.A. |
| Mr. | Pal | Raj | U.S. Department of Defense | U.S. Department of Defense |
| Mr. | Petersen | Robert | Ericsson LM | Ericsson Telecomunicazioni SpA |
| Miss | Ping | Jing | Nokia Germany | Nokia Germany |
| Mr. | Potter | Benjamin | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Mr. | Pozo | Sergio | VODAFONE Group Plc | VODAFONE Group Plc |
| Ms. | Rajendran | Rohini | Samsung R&D Institute India | Samsung Electronics Czech |
| Mr. | Ronco | Enrico | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Dr. | Samdanis | Konstantinos | Nokia Germany | Nokia Germany |
| Mr. | Scott | Mark | Ericsson LM | Ericsson LM |
| Ms. | Shen | Yang | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Mr. | Shu | Min | CATT | CATT |
| Mr. | Smith | David K. | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Mr. | Sofuoglu | Serkan | P.I. WORKS | P.I. WORKS |
| Miss | Song | Xiaojia | China Mobile Research Inst. | China Mobile Com. Corporation |
| Dr. | Su | Zijian | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI TECHNOLOGIES Co. Ltd. |
| Mr. | Sun | Mingrui | China Unicom | China Unicom |
| Miss | Sun | Xiaowen | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Miss | Tang | Chunying | AsiaInfo Technologies Inc | AsiaInfo |
| Mr. | Thalanany | Sebastian | US Cellular Corporation | US Cellular Corporation |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson España S.A. |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM |
| Mr. | Vaishnavi | Ishan | Lenovo (Beijing) Ltd | Lenovo Information Technology |
| Mr. | Wang | Da | AsiaInfo Technologies Inc | AsiaInfo Technologies Inc |
| Dr. | Wang | Dan | IPLOOK | IPLOOK |
| Ms. | Wang | Junfeng | Ericsson LM | Ericsson Inc. |
| Ms. | Wang | Man | HuaWei Technologies Co., Ltd | Huawei Telecommunication India |
| Ms. | Weaver | Farni | T-Mobile USA | T-Mobile USA Inc. |
| Mr. | Wilson | Patrick | T-Mobile USA | T-Mobile USA |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Miss | Wu | Liping | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Wu | Zhibin | Apple GmbH | Apple GmbH |
| Mr. | XING | XIAOCHENG | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies France |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co.. Ltd | HUAWEI Technologies Japan K.K. |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel Technology Poland SP Zoo |
| Dr. | Yu | Xiaobo | Alibaba (China) Group., Ltd. | Alibaba (China) Group., Ltd. |
| Miss | Yuan | Jingjing | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| 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 |
| Ms. | Zhang | Mengshu | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Zhao | Song | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Mr. | Zhao | Song | China Telecomunication Corp. | China Telecomunication Corp. |
| Mr. | Zhu | Lei | Huawei Tech.(UK) Co.. Ltd | Huawei Tech.(UK) Co.. Ltd |
| Mr. | Zhu | Weihong | ZTE Corporation | ZTE Corporation |
| Ms. | Zou | Lan | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies (Korea) |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#138e | 23-08-2021 | 31-08-2021 | Electronic meeting | online |  |
| SA5#139e | 11-10-2021 | 20-10-2021 | Electronic meeting | online |  |
| SA5#140e | 15-11-2021 | 24-11-2021 | Electronic meeting | online |  |