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

**Meeting Report  
for  
TSG SA WG5  
meeting: 143e**

**Electronic meeting, Online, 09/05/2022 to 17/05/2022**

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## 1 Opening of the meeting

Notes of the email discussions can be found in tdoc **S5-223007 OAM Chair notes and conclusions** and **S5-223666** CH agenda and time plan.

## 2 Approval of the agenda

**S5-223000 Agenda**

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

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

## 3 IPR and legal declaration

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

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

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

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

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

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-223001 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

**S5-223002 e-meeting process**

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

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

**S5-223003 Post e-meeting email approval status**

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

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

**S5-223010 SA5 working procedures**

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

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

**S5-223011 Process for management of draft TS-TRs**

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

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

### 5.2 Technical issues at SA5 level

### 5.3 Liaison statements at SA5 level

**S5-223020 LS on Logical relationship between query parameters**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-222302*

**Decision:** The document was **replied to in S5-223517**.

**S5-223517 Reply to: LS on Logical relationship between query parameters**

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

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

**S5-223021 Response to request for TM Forum AN Use Case material at Joint Workshop 23rd February 2022 and updated slides meeting 16th March 2022- LS22-0003**

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

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

**S5-223022 Ls ccSA5 Request to clarify whether there are IPR issues with using 3GPP terminology and**

**information objects and names in code contributed to ONAP**

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

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

**S5-223026 Reply LS to ETSI MEC ccSA5 on MEC Federation and interest to collaborate**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-220931*

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

**S5-223391 Application Enablement Standards in SA6**

*Type: discussion For: Discussion  
 Source: Samsung*

**Abstract:**

Application enablement is supported by diverse SA6 standards yet is not widely understood in 3GPP.

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

**S5-223515 LS on Issues Network Slice information delivery to a 3rd party**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: S6-220975*

**Decision:** The document was **replied to in S5-223516**.

**S5-223516 Reply to: LS on Issues Network Slice information delivery to a 3rd party**

*Type: LS out For: approval  
 to SA6, cc SA1, SA2, SA  
 Source: Samsung*

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

### 5.4 SA5 meeting calendar

**S5-223012 SA5 meeting calendar**

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

**Decision:** The document was **revised to S5-223526**.

**S5-223526 SA5 meeting calendar**

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

(Replaces S5-223012)

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

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-223004 OAM&P action list**

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

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

**S5-223005 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

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

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

**S5-223006 OAM Exec Report**

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

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

**S5-223007 OAM Chair notes and conclusions**

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

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

**S5-223013 Collection of useful endorsed document and external communication documents**

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

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

**S5-223014 Collection of Rel-18 3GPP SA5 OAM WoP**

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

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

**S5-223015 Resubmitted Reply LS to SA5 on beam measurement reports**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-221383*

**Decision:** The document was **replied to in S5-223524**.

**S5-223524 Reply to: Resubmitted Reply LS to SA5 on beam measurement reports**

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

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

**S5-223016 Resubmitted LS on configuration updates of MDT M1, M8 and M9 in RAN3 specifications**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-221445*

**Decision:** The document was **replied to in S5-223583**.

**S5-223504 Reply to: Resubmitted LS on configuration updates of MDT M1, M8 and M9 in RAN3 specifications**

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

**Decision:** The document was **revised to S5-223583**.

**S5-223583 Reply to: Resubmitted LS on configuration updates of MDT M1, M8 and M9 in RAN3 specifications**

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

(Replaces S5-223504)

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

**S5-223017 Resubmitted LS on RAN3 agreements for NR QoE**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-222890*

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

**S5-223018 Resubmitted LS Reply on QoE configuration and reporting related issues**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-220309*

**Decision:** The document was **replied to in S5-223518**.

**S5-223518 Reply to: Resubmitted LS Reply on QoE configuration and reporting related issues**

*Type: LS out For: approval  
 to SA4  
 Source: Ericsson*

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

**S5-223019 Resubmitted LS on TS 28.404/TS 28.405 Clarification**

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

**Decision:** The document was **replied to in S5-223519**.

**S5-223519 Reply to: Resubmitted LS on TS 28.404/TS 28.405 Clarification**

*Type: LS out For: approval  
 to SA4  
 Source: Ericsson*

**Decision:** The document was **revised to S5-223546**.

**S5-223546 Reply to: Resubmitted LS on TS 28.404/TS 28.405 Clarification**

*Type: LS out For: approval  
 to SA4  
 Source: Ericsson*

(Replaces S5-223519)

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

**S5-223025 LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-220848*

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

**S5-223520 Reply to: LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation**

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

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

**S5-223027 LS on network slice LCM consumption and use cases**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-220932*

**Decision:** The document was **replied to in S5-223521**.

**S5-223521 Reply to: LS on network slice LCM consumption and use cases**

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

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

**S5-223386 Living document for stage 2-3 alignment**

*Type: discussion For: Information  
 Source: WG chair*

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

**S5-223522 LS on Study on KQIs for 5G service experience**

*Type: LS out For: Approval  
 to SA4,ITU-T SG12  
 Source: Ericsson*

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

**S5-223525 LS on Inclusive language updates related to BBF TR-196**

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

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

### 6.2 New OAM&P Work Item proposals

**S5-223240 New R18 SID on MP-CP Conflict management and coordination**

*Type: SID new For: (not specified)  
 Source: Lenovo*

**Decision:** The document was **revised to S5-223584**.

**S5-223584 New R18 SID on MP-CP Conflict management and coordination**

*Type: SID new For: -  
 Source: Lenovo*

(Replaces S5-223240)

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

**S5-223298 Rel-18 SID on Closed control loop governance for autonomous network**

*Type: SID new For: Approval  
 Source: ZTE Corporation, China Telecom*

**Decision:** The document was **revised to S5-223585**.

**S5-223585 Rel-18 SID on Closed control loop governance for autonomous network**

*Type: SID new For: Approval  
 Source: ZTE Corporation, China Telecom*

(Replaces S5-223298)

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

**S5-223348 New SID on Data Collection for Digital Twin in Network Management System**

*Type: SID new For: Approval  
 Source: China Mobile E-Commerce Co.*

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

**S5-223351 Discussion on Data Collection for Digital Twin in Network Management System**

*Type: discussion For: Endorsement  
 Source: China Mobile E-Commerce Co.*

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

**S5-223409 New WID on continuous integration continuous delivery support for 3GPP NFs**

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

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

**S5-223432 New WID on QoE Measurement collection automation support**

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

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

**S5-223433 New WID on deprecation**

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

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

**S5-223486 New Rel-18 WID Enhancement of Management Data Analytics phase 2**

*Type: WID new For: Agreement  
 Source: Intel, NEC*

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

**S5-223513 Study on Data management**

*Type: SID new For: Approval  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223523 New Rel-18 SID Enhancement of Management Data Analytics phase 2**

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

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

### 6.3 OAM&P Maintenance and Rel-18 small Enhancements

**S5-223052 Rel-16 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0695 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-222581)

**Decision:** The document was **revised to S5-223527**.

**S5-223527 Rel-16 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0695 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223052)

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

**S5-223053 Rel-16 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0696 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-222582)

**Decision:** The document was **revised to S5-223528**.

**S5-223528 Rel-16 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0696 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223053)

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

**S5-223054 Rel-16 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0697 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-222583)

**Decision:** The document was **revised to S5-223529**.

**S5-223529 Rel-16 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0697 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223054)

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

**S5-223055 Rel-17 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0698 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223530**.

**S5-223530 Rel-17 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0698 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223055)

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

**S5-223056 Rel-17 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0699 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223531**.

**S5-223531 Rel-17 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0699 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223056)

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

**S5-223057 Rel-17 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0700 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223532**.

**S5-223532 Rel-17 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0700 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223057)

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

**S5-223058 Rel-16 TS 28.623 OpenAPI file name and dependence change-comDefs**

*Type: CR For: Approval  
 28.623 v16.10.0 CR-0160 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-222584)

**Decision:** The document was **revised to S5-223533**.

**S5-223533 Rel-16 TS 28.623 OpenAPI file name and dependence change-comDefs**

*Type: CR For: Approval  
 28.623 v16.10.0 CR-0160 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223058)

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

**S5-223059 Rel-16 TS 28.623 OpenAPI file name and dependence change-genericNrm**

*Type: CR For: Approval  
 28.623 v16.10.0 CR-0161 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-222585)

**Decision:** The document was **revised to S5-223534**.

**S5-223534 Rel-16 TS 28.623 OpenAPI file name and dependence change-genericNrm**

*Type: CR For: Approval  
 28.623 v16.10.0 CR-0161 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223059)

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

**S5-223060 Rel-17 TS 28.623 OpenAPI file name and dependence change-comDefs**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0162 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223535**.

**S5-223535 Rel-17 TS 28.623 OpenAPI file name and dependence change-comDefs**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0162 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223060)

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

**S5-223061 Rel-17 TS 28.623 OpenAPI file name and dependence change-genericNrm**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0163 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223536**.

**S5-223536 Rel-17 TS 28.623 OpenAPI file name and dependence change-genericNrm**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0163 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223061)

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

**S5-223068 Rel-16 CR TS 28.536 OpenAPI file name and dependence change-coslaNrm**

*Type: CR For: Approval  
 28.536 v16.3.0 CR-0047 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223069 Rel-17 CR TS 28.536 OpenAPI file name and dependence change-coslaNrm**

*Type: CR For: Approval  
 28.536 v17.2.0 CR-0048 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223072 Rel-17 CR TS 28.538 OpenAPI file name and dependence change-edgeNrm**

*Type: CR For: Approval  
 28.538 v17.0.0 CR-0006 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223537**.

**S5-223537 Rel-17 CR TS 28.538 OpenAPI file name and dependence change-edgeNrm**

*Type: CR For: Approval  
 28.538 v17.0.0 CR-0006 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223072)

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

**S5-223073 Rel-17 CR TS28541 Correction to property of EP\_Transport attribute ipAddress**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0707 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223124 Rel-17 Correct the definition of DRB setup related counters**

*Type: CR For: Approval  
 28.552 v17.6.0 CR-0364 Cat: F (Rel-17)  
  
 Source: Nubia Technology Co.,Ltd*

**Abstract:**

This document proposes to modify the definition of Number of DRBs attempted to setup in clause 5.1.1.10.1.

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

**S5-223125 yaml indentation correction for comDefs.yaml**

*Type: CR For: Approval  
 28.623 v16.10.0 CR-0165 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223538**.

**S5-223538 yaml indentation correction for comDefs.yaml**

*Type: CR For: Approval  
 28.623 v16.10.0 CR-0165 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223125)

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

**S5-223126 yaml indentation correction for comDefs.yam**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0166 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223133 Rel-17 CR for TS28.537 editorialCorrections**

*Type: CR For: Approval  
 28.537 v17.2.0 CR-0009 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-223539**.

**S5-223539 Rel-17 CR for TS28.537 editorialCorrections**

*Type: CR For: Approval  
 28.537 v17.2.0 CR-0009 rev 1 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

(Replaces S5-223133)

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

**S5-223134 Rel-17 CR for TS28.552 editorialCorrections**

*Type: CR For: Approval  
 28.552 v17.6.0 CR-0365 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-223540**.

**S5-223540 Rel-17 CR for TS28.552 editorialCorrections**

*Type: CR For: Approval  
 28.552 v17.6.0 CR-0365 rev 1 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

(Replaces S5-223134)

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

**S5-223146 Rel-17 CR TS28541 Fixing attribute properties for ServiceProfile attribute networkSliceSharingIndicator**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0708 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223541**.

**S5-223541 Rel-17 CR TS28541 Fixing attribute properties for ServiceProfile attribute networkSliceSharingIndicator**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0708 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223146)

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

**S5-223152 Correct isOrdered-isUnique for multivalue attributes**

*Type: CR For: Approval  
 28.622 v16.11.0 CR-0150 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-223542**.

**S5-223542 Correct isOrdered-isUnique for multivalue attributes**

*Type: CR For: Approval  
 28.622 v16.11.0 CR-0150 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-223152)

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

**S5-223153 Correct isOrdered-isUnique for multivalue attributes**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0151 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-223543**.

**S5-223543 Correct isOrdered-isUnique for multivalue attributes**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0151 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-223153)

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

**S5-223155 Correct isOrdered-isUnique for multivalue attributes**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0709 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-223544**.

**S5-223544 Correct isOrdered-isUnique for multivalue attributes**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0709 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-223155)

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

**S5-223165 Rel-17 CR 28.622 Add missing definitions of common data types**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0152 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223166 CR Rel-17 TS 32.592 Non-inclusive language correction**

*Type: CR For: Approval  
 32.592 v17.0.0 CR-0039 Cat: F (Rel-17)  
  
 Source: Nokia*

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

**S5-223186 Correct isOrdered-isUnique for multivalue attributes**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0710 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-223545**.

**S5-223545 Correct isOrdered-isUnique for multivalue attributes**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0710 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-223186)

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

**S5-223194 Rel-17 CR 28.532 Align allowed file transfer protocols in stage 2 with stage 1 requirements**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0201 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223195 Rel-16 CR 32.158 Clarify clause Design pattern for reading a resource**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0050 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223196 Rel-17 CR 32.158 Clarify clause Design pattern for reading a resource**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0051 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223198 Rel-18 CR 28.313 Correct non-inclusive language**

*Type: CR For: Approval  
 28.313 v17.4.0 CR-0048 Cat: F (Rel-17)  
  
 Source: Intel Korea, Ltd.*

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

**S5-223199 Alarm Handling Clarifications**

*Type: CR For: Approval  
 28.622 v16.11.0 CR-0157 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-223548**.

**S5-223548 Alarm Handling Clarifications**

*Type: CR For: Approval  
 28.622 v16.11.0 CR-0157 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-223199)

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

**S5-223200 Alarm Handling Clarifications**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0158 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-223549**.

**S5-223549 Alarm Handling Clarifications**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0158 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-223200)

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

**S5-223233 Rel-17 CR 28.541 Correction on attribute latency of SubnetProfiles**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0716 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-223244 Rel-17 CR 28.623 Fix description of attribute mnsScope**

*Type: CR For: Agreement  
 28.623 v17.1.0 CR-0169 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-223245 Rel-16 CR 32.422 adding missing signaling and interface related to SMF for trace**

*Type: CR For: Agreement  
 32.422 v16.9.1 CR-0393 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223550**.

**S5-223550 Rel-16 CR 32.422 adding missing signaling and interface related to SMF for trace**

*Type: CR For: Agreement  
 32.422 v16.9.1 CR-0393 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-223245)

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

**S5-223246 Rel-17 CR 32.422 adding missing signaling and interface related to SMF for trace**

*Type: CR For: Agreement  
 32.422 v17.6.1 CR-0394 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223551**.

**S5-223551 Rel-17 CR 32.422 adding missing signaling and interface related to SMF for trace**

*Type: CR For: Agreement  
 32.422 v17.6.1 CR-0394 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-223246)

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

**S5-223247 Rel-16 CR 32.423 adding missing interface related to SMF for trace**

*Type: CR For: Agreement  
 32.423 v16.5.0 CR-0129 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223552**.

**S5-223552 Rel-16 CR 32.423 adding missing interface related to SMF for trace**

*Type: CR For: Agreement  
 32.423 v16.5.0 CR-0129 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-223247)

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

**S5-223248 Rel-17 CR 32.423 adding missing interface related to SMF for trace**

*Type: CR For: Agreement  
 32.423 v17.3.0 CR-0130 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223553**.

**S5-223553 Rel-17 CR 32.423 adding missing interface related to SMF for trace**

*Type: CR For: Agreement  
 32.423 v17.3.0 CR-0130 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-223248)

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

**S5-223299 Rel-17 CR for TS28.552 Change the measurement object class to support MOCN network sharing with multiple Cell Identity broadcast scenarios**

*Type: CR For: Agreement  
 28.552 v17.6.0 CR-0370 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S5-223300 Rel-17 CR for TS28.552 Add the measurement object class to support MOCN network sharing with multiple Cell Identity broadcast scenarios**

*Type: CR For: Agreement  
 28.552 v17.6.0 CR-0371 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S5-223301 Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions**

*Type: CR For: Approval  
 28.552 v17.6.0 CR-0372 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S5-223309 Rel-17 CR TS 28.541 Address the unnecessary reference for the yaml file**

*Type: CR For: Agreement  
 28.541 v17.6.0 CR-0723 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-223310 Rel-16 CR 28.536 Minor correction on the format for cosla yaml file**

*Type: CR For: Agreement  
 28.536 v16.3.0 CR-0051 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-223311 Rel-17 CR 28.536 Minor correction on the format for cosla yaml file**

*Type: CR For: Agreement  
 28.536 v17.2.0 CR-0052 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-223312 Rel-16 CR 28.532 OpenAPI file name and dependence change- part1**

*Type: CR For: Agreement  
 28.532 v16.10.0 CR-0203 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-223313 Rel-16 CR 28.532 OpenAPI file name and dependence change- part2**

*Type: CR For: Agreement  
 28.532 v16.10.0 CR-0204 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-223314 Rel-16 CR 28.550 OpenAPI file name and dependence change**

*Type: CR For: Agreement  
 28.550 v16.8.0 CR-0069 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-223315 Rel-17 CR 28.532 OpenAPI file name and dependence change- part1**

*Type: CR For: Agreement  
 28.532 v17.0.0 CR-0205 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-223316 Rel-17 CR 28.532 OpenAPI file name and dependence change- part2**

*Type: CR For: Agreement  
 28.532 v17.0.0 CR-0206 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-223317 Rel-17 CR 28.550 OpenAPI file name and dependence change**

*Type: CR For: Agreement  
 28.550 v17.0.0 CR-0070 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-223331 Rel-17 TS 28.658 Non-inclusive language correction**

*Type: CR For: (not specified)  
 28.658 v17.0.0 CR-0061 Cat: F (Rel-17)  
  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-223332 CR Rel-17 TS 28.659 Non-inclusive language correction**

*Type: CR For: (not specified)  
 28.659 v17.0.0 CR-0040 Cat: F (Rel-17)  
  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-223357 Rel-16 CR 28.532 Correct definition of Resource**

*Type: CR For: Approval  
 28.532 v16.10.0 CR-0207 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223554**.

**S5-223554 Rel-16 CR 28.532 Correct definition of Resource**

*Type: CR For: Approval  
 28.532 v16.10.0 CR-0207 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223357)

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

**S5-223358 Rel-17 CR 28.532 Correct definition of Resource**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0208 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223555**.

**S5-223555 Rel-17 CR 28.532 Correct definition of Resource**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0208 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223358)

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

**S5-223359 Rel-17 CR 28.532 Correct notifyMOIChanges (stage 2)**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0209 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223556**.

**S5-223556 Rel-17 CR 28.532 Correct notifyMOIChanges (stage 2)**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0209 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223359)

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

**S5-223360 Rel-17 CR 28.532 Correct notifyMOIChanges (REST SS)**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0210 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223557**.

**S5-223557 Rel-17 CR 28.532 Correct notifyMOIChanges (REST SS)**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0210 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223360)

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

**S5-223362 Rel-17 CR 28.532 Correct notifyMOIChanges (OpenAPI definitions)**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0211 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223558**.

**S5-223558 Rel-17 CR 28.532 Correct notifyMOIChanges (OpenAPI definitions)**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0211 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223362)

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

**S5-223369 CR Rel-17 TS 32.406 Non-inclusive language correction**

*Type: CR For: Approval  
 32.406 v17.0.0 CR-0016 Cat: F (Rel-17)  
  
 Source: China Mobile*

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

**S5-223371 Remove Editor's Note in clause 4.2.5.3**

*Type: CR For: Approval  
 28.535 v17.4.0 CR-0066 Cat: F (Rel-17)  
  
 Source: Ericsson LM, Verizon*

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

**S5-223375 Correct attribute properties in assuranceTargetList**

*Type: CR For: Approval  
 28.536 v16.3.0 CR-0053 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-223377 Correct attribute properties in assuranceTargetList**

*Type: CR For: Approval  
 28.536 v17.2.0 CR-0054 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223388 Data change notifications YANG-in-Rest format**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0213 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-223559**.

**S5-223559 Data change notifications YANG-in-Rest format**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0213 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-223388)

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

**S5-223393 CR Rel-17 TS 32.452 Non-inclusive language correction**

*Type: CR For: Approval  
 32.452 v17.0.0 CR-0002 Cat: F (Rel-17)  
  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-223547**.

**S5-223547 CR Rel-17 TS 32.452 Non-inclusive language correction**

*Type: CR For: Approval  
 32.452 v17.0.0 CR-0002 rev 1 Cat: F (Rel-17)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-223393)

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

**S5-223405 Rel-15 CR 28.622 Clarification for IRP and SBMA framework**

*Type: CR For: Approval  
 28.622 v15.6.0 CR-0161 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223406 Rel-16 CR 28.622 Clarification for IRP and SBMA framework**

*Type: CR For: Approval  
 28.622 v16.11.0 CR-0162 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223407 Rel-17 CR 28.622 Clarification for IRP and SBMA framework**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0163 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223419 Rel-16 CR 32.156 Clarification of property defaultValue**

*Type: CR For: Approval  
 32.156 v16.5.0 CR-0041 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223560**.

**S5-223560 Rel-16 CR 32.156 Clarification of property defaultValue**

*Type: CR For: Approval  
 32.156 v16.5.0 CR-0041 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223419)

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

**S5-223420 Rel-17 CR 32.156 Clarification of property defaultValue**

*Type: CR For: Approval  
 32.156 v17.0.0 CR-0042 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223561**.

**S5-223561 Rel-17 CR 32.156 Clarification of property defaultValue**

*Type: CR For: Approval  
 32.156 v17.0.0 CR-0042 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223420)

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

**S5-223422 Add granularity period examples**

*Type: CR For: Approval  
 28.550 v15.7.0 CR-0071 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

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

**S5-223423 Add granularity period examples**

*Type: CR For: Approval  
 28.550 v16.8.0 CR-0072 Cat: A (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-223425 Add granularity period examples**

*Type: CR For: Approval  
 28.550 v17.0.0 CR-0073 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223435 CR R17 32.511-h00 Correcting non inclusive language**

*Type: CR For: (not specified)  
 32.511 v17.0.0 CR-0027 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S5-223451 Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0724 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223490 Rel-17 CR 28.541 Update Figure L.2.1 and accompanying paragraph.**

*Type: CR For: Agreement  
 28.541 v17.6.0 CR-0642 rev 1 Cat: F (Rel-17)  
  
 Source: TELEFONICA S.A.*

(Replaces S5-221030)

**Abstract:**

The CR agreed in S5-215649 was partially approved at SA#94e. The change proposed for figure L.2.1 and accompanying paragraph was not approved. The reason is that the new figure contains the GSMA logo, which is trademark.

**Decision:** The document was **revised to S5-223562**.

**S5-223562 Rel-17 CR 28.541 Update Figure L.2.1 and accompanying paragraph.**

*Type: CR For: Agreement  
 28.541 v17.6.0 CR-0642 rev 2 Cat: F (Rel-17)  
  
 Source: TELEFONICA S.A.*

(Replaces S5-223490)

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

**S5-223507 Rel-16 CR 28.623 Alignment of attribute values of attribute tjMDTReportInterval to TS 32.422, TS 38.413 and TS 38.423**

*Type: CR For: Approval  
 28.623 v16.10.0 CR-0173 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223508 Rel-17 CR 28.623 Alignment of attribute values of attribute tjMDTReportInterval to TS 32.422, TS 38.413 and TS 38.423**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0174 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223514 Rel-17 CR 28.532 Clarify usage of notifyMOIChanges for NRMs defined in YANG**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0217 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

### 6.4 Rel-18 Operations, Administration, Maintenance and Provisioning (OAM&P)

#### 6.4.1 Self-Configuration of RAN NEs

##### 6.4.1.1 RANSC\_WoP#1

**S5-223361 pCR 28.317 Add Concept**

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

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

**S5-223364 pCR 28.317 Usecase and requirement for ARCF data handling**

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

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

##### 6.4.1.2 RANSC\_WoP#2

##### 6.4.1.3 RANSC\_WoP#3

#### 6.4.2 Network slicing provisioning rules

##### 6.4.2.1 NSRULE\_WoP#1

**S5-223221 Specify network slicing provisioning rules requirements**

*Type: CR For: Approval  
 28.531 v17.3.0 CR-0112 Cat: B (Rel-18)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

##### 6.4.2.2 NSRULE\_WoP#2

**S5-223222 Add network slice rules to NRM**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0714 Cat: B (Rel-18)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-223295 Rel-18 network slice isolation**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0717 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Huawei*

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

#### 6.4.3 Additional NRM features phase 2

##### 6.4.3.1 AdNRM\_ph2\_WoP#1

**S5-223180 Rel-18 Input to draftCR 28.622 Add Scheduler IOC (stage 2)**

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

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

**S5-223181 Rel-18 Input to draftCR 28.623 Add Scheduler IOC (stage 3)**

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

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

**S5-223182 Rel-18 Input to draftCR 28.622 Enhance PerfMetricJob by scheduler (stage 2)**

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

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

**S5-223183 Rel-18 Input to draftCR 28.623 Enhance PerfMetricJob by scheduler (stage 3)**

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

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

**S5-223491 Discussion to add BWP Set configuration support in NRM**

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

**Decision:** The document was **revised to S5-223563**.

**S5-223563 Discussion to add BWP Set configuration support in NRM**

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

(Replaces S5-223491)

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

**S5-223493 Discussion on enhanced QoS model for RLC and PDCP**

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

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

##### 6.4.3.2 AdNRM\_ph2\_WoP#2

##### 6.4.3.3 AdNRM\_ph2\_WoP#3

#### 6.4.4 Enhanced Edge Computing Management

**S5-223752 DraftCR for eECM – TS 28.538**

*Type: draftCR For: Approval  
 28.538 v..  
 Source: Samsung*

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

##### 6.4.4.1 eECM\_WoP#1

##### 6.4.4.2 eECM\_WoP#2

**S5-223224 Rel-18 InputToDraftCR 28.538 EESFunction IOC Stage 3**

*Type: other For: (not specified)  
 28.538 v..  
 Source: Samsung R&D Institute India*

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

**S5-223338 Rel-18 InputTodraftCR 28.538 EASFunction IOC**

*Type: draftCR For: Approval  
 28.538 v17.0.0  
 Source: AsiaInfo Technologies Inc*

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

**S5-223372 Rel-18 InputTodraftCR 28.538 EASFunction IOC**

*Type: draftCR For: Approval  
 28.538 v17.0.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S5-223564**.

**S5-223564 Rel-18 InputTodraftCR 28.538 EASFunction IOC**

*Type: draftCR For: Approval  
 28.538 v17.0.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S5-223372)

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

##### 6.4.4.3 eECM\_WoP#3

##### 6.4.4.4 eECM\_WoP#4

##### 6.4.4.5 eECM\_WoP#5

**S5-223076 Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0148 Cat: B (Rel-17)  
  
 Source: Intel Korea, Ltd.*

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

**S5-223077 Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0164 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

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

**S5-223078 Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0149 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

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

**S5-223079 Rel-18 CR 28.538 Revise EAS VNF instantiation procedure**

*Type: CR For: Approval  
 28.538 v17.0.0 CR-0007 Cat: C (Rel-18)  
  
 Source: Intel Korea, Ltd.*

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

**S5-223080 Rel-18 CR 28.538 Revise EAS VNF termination procedure**

*Type: CR For: Approval  
 28.538 v17.0.0 CR-0008 Cat: C (Rel-18)  
  
 Source: Intel Korea, Ltd.*

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

**S5-223081 Rel-18 CR 28.538 Add EAS VNF update procedure**

*Type: CR For: Approval  
 28.538 v17.0.0 CR-0009 Cat: C (Rel-18)  
  
 Source: Intel Korea, Ltd.*

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

##### 6.4.4.6 eECM\_WoP#6

##### 6.4.4.7 eECM\_WoP#7

##### 6.4.4.8 eECM\_WoP#8

#### 6.4.5 Enhancements of EE for 5G Phase 2

##### 6.4.5.1 EE5GPLUS\_Ph2\_WoP#1

##### 6.4.5.2 EE5GPLUS\_Ph2\_WoP#2

### 6.5 OAM&P Studies

#### 6.5.1 Study on enhancement of autonomous network levels

**S5-223659 Latest draft TR 28.910**

*Type: draft TR For: Approval  
 28.910 v0.2.0  
 Source: China Mobile*

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

##### 6.5.1.1 FS\_eANL\_WoP#1

**S5-223318 pCR 28.910 Add introduction on relevant SI/WI in 3GPP**

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

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

**S5-223323 pCR TR 28.910 Add key issues for enhancement of ANL for network optimization**

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

**Decision:** The document was **revised to S5-223565**.

**S5-223565 pCR TR 28.910 Add key issues for enhancement of ANL for network optimization**

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

(Replaces S5-223323)

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

##### 6.5.1.2 FS\_eANL\_WoP#2

##### 6.5.1.3 FS\_eANL\_WoP#3

**S5-223255 pCR 28.910 Add key issue for autonomous network level for 5GC NF deployment**

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

**Decision:** The document was **revised to S5-223566**.

**S5-223566 pCR 28.910 Add key issue for autonomous network level for 5GC NF deployment**

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

(Replaces S5-223255)

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

**S5-223256 pCR 28.910 Add key issue for autonomous network level for 5GC network disaster recovery**

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

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

**S5-223322 pCR TR 28.910 Update the key issue of autonomous network level for RAN energy saving scenario**

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

**Decision:** The document was **revised to S5-223567**.

**S5-223567 pCR TR 28.910 Update the key issue of autonomous network level for RAN energy saving scenario**

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

(Replaces S5-223322)

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

**S5-223426 pCR TR 28.910 Add autonomous network level for service experience optimization**

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

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

##### 6.5.1.4 FS\_eANL\_WoP#4

#### 6.5.2 Study on evaluation of autonomous network levels

##### 6.5.2.1 FS\_ANLEVA\_WoP#1

**S5-223319 pCR 28.909 Add key issue of dimensions for autonomous network levels**

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

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

**S5-223320 pCR TR 28.909 Add key issues of generic methodology for autonomous network levels evaluation**

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

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

**S5-223325 pCR TS 28.909 Add general process of evaluating the autonomous network level**

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

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

**S5-223337 pCR 28.909 Add new Key Issue determine evaluated object of autonomous**

*Type: pCR For: Approval  
 28.909 v0.1.0  
 Source: AsiaInfo Technologies Inc*

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

##### 6.5.2.2 FS\_ANLEVA\_WoP#2

**S5-223324 pCR TR 28.909 Add key issues for KEI and process of autonomous network levels evaluation for network optimization**

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

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

##### 6.5.2.3 FS\_ANLEVA\_WoP#3

##### 6.5.2.4 FS\_ANLEVA\_WoP#4

#### 6.5.3 Study on enhanced intent driven management services for mobile networks

**S5-223660 Latest draft TR 28.912**

*Type: draft TR For: Approval  
 28.912 v0.2.0  
 Source: Huawei*

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

##### 6.5.3.1 FS\_eIDMS\_MN\_WoP#1

**S5-223257 pCR TR 28.912 add key issues for 5GC intent expectation**

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

**Decision:** The document was **revised to S5-223568**.

**S5-223568 pCR TR 28.912 add key issues for 5GC intent expectation**

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

(Replaces S5-223257)

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

**S5-223328 pCR TR 28.912 Add potential solutions for RAN energy saving to clause 4.1.2**

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

**Decision:** The document was **revised to S5-223569**.

**S5-223569 pCR TR 28.912 Add potential solutions for RAN energy saving to clause 4.1.2**

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

(Replaces S5-223328)

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

##### 6.5.3.2 FS\_eIDMS\_MN\_WoP#2

##### 6.5.3.3 FS\_eIDMS\_MN\_WoP#3

**S5-223326 pCR TR 28.912 add key issue for missing solution for radio service intent expectation**

*Type: pCR For: Approval  
 28.912 v0.1.0  
 Source: Huawei,Deutsche Telekom*

**Decision:** The document was **revised to S5-223570**.

**S5-223570 pCR TR 28.912 add key issue for missing solution for radio service intent expectation**

*Type: pCR For: Approval  
 28.912 v0.1.0  
 Source: Huawei,Deutsche Telekom*

(Replaces S5-223326)

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

**S5-223327 pCR TR 28.912 add key issue for enhancement of radio network intent expectation**

*Type: pCR For: Approval  
 28.912 v0.1.0  
 Source: Huawei,Deutsche Telekom*

**Decision:** The document was **revised to S5-223571**.

**S5-223571 pCR TR 28.912 add key issue for enhancement of radio network intent expectation**

*Type: pCR For: Approval  
 28.912 v0.1.0  
 Source: Huawei,Deutsche Telekom*

(Replaces S5-223327)

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

##### 6.5.3.4 FS\_eIDMS\_MN\_WoP#4

#### 6.5.4 Study on intent-driven management for network slicing

**S5-223661 Latest draft TR 28.836**

*Type: draft TR For: Approval  
 28.836 v0.2.0  
 Source: Ericsson*

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

##### 6.5.4.1 FS\_NETSLICE\_IDMS\_WoP#1

**S5-223258 pCR 28.836 Add concept of service profile and slice profile**

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

**Decision:** The document was **revised to S5-223572**.

**S5-223572 pCR 28.836 Add concept of service profile and slice profile**

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

(Replaces S5-223258)

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

**S5-223259 pCR 28.836 Add use case of network slicing allocation**

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

**Decision:** The document was **revised to S5-223573**.

**S5-223573 pCR 28.836 Add use case of network slicing allocation**

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

(Replaces S5-223259)

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

**S5-223260 pCR 28.836 Add key issue of network slice life cycle management**

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

**Decision:** The document was **revised to S5-223574**.

**S5-223574 pCR 28.836 Add key issue of network slice life cycle management**

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

(Replaces S5-223260)

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

**S5-223261 pCR 28.836 Add key issue of network slice service assurance**

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

**Decision:** The document was **revised to S5-223575**.

**S5-223575 pCR 28.836 Add key issue of network slice service assurance**

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

(Replaces S5-223261)

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

##### 6.5.4.2 FS\_NETSLICE\_IDMS\_WoP#2

##### 6.5.4.3 FS\_NETSLICE\_IDMS\_WoP#3

##### 6.5.4.4 FS\_NETSLICE\_IDMS\_WoP#4

##### 6.5.4.5 FS\_NETSLICE\_IDMS\_WoP#5

#### 6.5.5 Study on AI/ ML management

**S5-223662 Latest draft TR 28.908**

*Type: draft TR For: Approval  
 28.908 v0.2.0  
 Source: Intel*

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

##### 6.5.5.1 FS\_AIML\_MGMT\_WoP#1

**S5-223347 pCR 28.908 Add use case on AI/ML model performance**

*Type: pCR For: Approval  
 28.908 v0.1.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-223576**.

**S5-223576 pCR 28.908 Add use case on AI/ML model performance**

*Type: pCR For: Approval  
 28.908 v0.1.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-223347)

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

**S5-223384 Rel-18 pCR TR 28.908 Add AIML training workflow and deployment scenarios for AI-ML**

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

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

**S5-223488 pCR 28.908 Add AI-ML workflow for 5GS**

*Type: pCR For: Approval  
 28.908 v0.1.0  
 Source: Intel, NEC*

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

##### 6.5.5.2 FS\_AIML\_MGMT\_WoP#2

**S5-223489 pCR 28.908 Add use case on AI-ML model validation**

*Type: pCR For: Approval  
 28.908 v0.1.0  
 Source: Intel, NEC*

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

##### 6.5.5.3 FS\_AIML\_MGMT\_WoP#3

##### 6.5.5.4 FS\_AIML\_MGMT\_WoP#4

**S5-223385 Rel-18 pCR TR 28.908 Add Key Issue of AIML management for model deployment**

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

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

**S5-223499 pCR 28.908 Add use case on AI/ML model deployment**

*Type: pCR For: Approval  
 28.908 v0.1.0  
 Source: CATT*

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

##### 6.5.5.5 FS\_AIML\_MGMT\_WoP#5

##### 6.5.5.6 FS\_AIML\_MGMT\_WoP#6

##### 6.5.5.7 FS\_AIML\_MGMT\_WoP#7

##### 6.5.5.8 FS\_AIML\_MGMT\_WoP#8

##### 6.5.5.9 FS\_AIML\_MGMT\_WoP#9

##### 6.5.5.10 FS\_AIML\_MGMT\_WoP#10

#### 6.5.6 Study on Enhancement of the management aspects related to NWDAF

**S5-223663 Latest draft TR 28.864**

*Type: draft TR For: Approval  
 28.864 v0.2.0  
 Source: China Telecom*

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

##### 6.5.6.1 FS\_MANWDAF\_WoP#1

##### 6.5.6.2 FS\_MANWDAF\_WoP#2

**S5-223408 pCR 28.864 New KI about performance metrics of NWDAF on data collection aspect**

*Type: pCR For: Approval  
 28.864 v0.1.0  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

It proposes new KI about performance metrics of NWDAF on data collection aspect

**Decision:** The document was **revised to S5-223587**.

**S5-223587 pCR 28.864 New KI about performance metrics of NWDAF on data collection aspect**

*Type: pCR For: Approval  
 28.864 v0.1.0  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-223408)

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

**S5-223424 pCR 28.864 New KI about performance metrics of NWDAF on Efficiency Aspect**

*Type: pCR For: Approval  
 28.864 v0.1.0  
 Source: China Telecom Corporation Ltd.*

**Abstract:**

It is proposed to add the new KI on Useful Output of NWDAF

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

**S5-223455 pCR 28.864 Add potential solution for KI#1**

*Type: pCR For: Approval  
 28.864 v0.1.0  
 Source: Chinatelecom Cloud*

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

**S5-223456 pCR 28.864 Add potential solution for KI#2**

*Type: pCR For: Approval  
 28.864 v0.1.0  
 Source: Chinatelecom Cloud*

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

**S5-223458 pCR 28.864 Add potential solution for KI#3**

*Type: pCR For: Approval  
 28.864 v0.1.0  
 Source: Chinatelecom Cloud*

**Decision:** The document was **revised to S5-223578**.

**S5-223578 pCR 28.864 Add potential solution for KI#3**

*Type: pCR For: Approval  
 28.864 v0.1.0  
 Source: Chinatelecom Cloud*

(Replaces S5-223458)

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

**S5-223459 pCR 28.864 New key issue for the performance management of the NWDAF on the result aspect**

*Type: pCR For: Approval  
 28.864 v0.1.0  
 Source: Chinatelecom Cloud*

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

#### 6.5.7 Study on Fault Supervision Evolution

##### 6.5.7.1 FS\_FSEV\_WoP#1

**S5-223398 pCR TR 28.830 Add framework of FSEV**

*Type: pCR For: Approval  
 28.830 v0.1.0  
 Source: Huawei, CMCC*

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

**S5-223411 pCR TR 28.830 Add background**

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

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

**S5-223412 pCR TR 28.830 Add relation description with existing MnS**

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

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

##### 6.5.7.2 FS\_FSEV\_WoP#2

**S5-223413 pCR TR 28.830 Add description of key issue service outage**

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

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

**S5-223414 pCR TR 28.830 Add description of key issue performance degradation**

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

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

**S5-223415 pCR TR 28.830 Add description of key issue 5GC service failure prediction**

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

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

**S5-223416 pCR TR 28.830 Add solution of key issue service outage**

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

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

**S5-223417 pCR TR 28.830 Add solution of key issue performance degradation**

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

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

**S5-223418 pCR TR 28.830 Add solution of key issue 5GC service failure prediction**

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

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

##### 6.5.7.3 FS\_FSEV\_WoP#3

#### 6.5.8 Study on Enhancement of service based management architecture

**S5-223664 Latest draft TR 28.925**

*Type: draft TR For: Approval  
 28.925 v0.6.0  
 Source: Huawei*

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

##### 6.5.8.1 FS\_eSBMA\_WoP#1

**S5-223333 pCR TR 28.925 Add issue on illustration of using MnS in management reference model in TS 32.101**

*Type: pCR For: (not specified)  
 28.925 v0.5.0  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-223579**.

**S5-223579 pCR TR 28.925 Add issue on illustration of using MnS in management reference model in TS 32.101**

*Type: pCR For: -  
 28.925 v0.5.0  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-223333)

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

**S5-223434 Add key issue requirements of management service discovery**

*Type: pCR For: Approval  
 28.925 v0.5.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-223580**.

**S5-223580 Add key issue requirements of management service discovery**

*Type: pCR For: Approval  
 28.925 v0.5.0  
 Source: China Unicom*

(Replaces S5-223434)

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

##### 6.5.8.2 FS\_eSBMA\_WoP#2

**S5-223334 pCR TR 28.925 Add issue on analysis on IRP specifications needs to support SBMA**

*Type: pCR For: (not specified)  
 28.925 v0.5.0  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-223581**.

**S5-223581 pCR TR 28.925 Add issue on analysis on IRP specifications needs to support SBMA**

*Type: pCR For: -  
 28.925 v0.5.0  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-223334)

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

##### 6.5.8.3 FS\_eSBMA\_WoP#3

##### 6.5.8.4 FS\_eSBMA\_WoP#4

##### 6.5.8.5 FS\_eSBMA\_WoP#5

##### 6.5.8.6 FS\_eSBMA\_WoP#6

#### 6.5.9 Study on Basic SBMA enabler enhancements

**S5-223665 Latest draft TR 28.831**

*Type: draft TR For: Approval  
 28.831 v0.2.0  
 Source: Nokia*

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

##### 6.5.9.1 FS\_eSBMAe\_WoP#1

##### 6.5.9.2 FS\_eSBMAe\_WoP#2

##### 6.5.9.3 FS\_eSBMAe\_WoP#3

##### 6.5.9.4 FS\_eSBMAe\_WoP#4

**S5-223373 Rel-18 pCR 28.831 Improve description of current situation for key issue 2 (Targeted notification subscription)**

*Type: pCR For: Approval  
 28.831 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223582**.

**S5-223582 Rel-18 pCR 28.831 Improve description of current situation for key issue 2 (Targeted notification subscription)**

*Type: pCR For: Approval  
 28.831 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223373)

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

**S5-223374 Rel-18 pCR 28.831 Improve analysis and potential requirements for key issue 2 (Targeted notification subscription)**

*Type: pCR For: Approval  
 28.831 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223376 Rel-18 pCR 28.831 Add potential solution for key issue 2 (Targeted notification subscription)**

*Type: pCR For: Approval  
 28.831 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.5.9.5 FS\_eSBMAe\_WoP#5

##### 6.5.9.6 FS\_eSBMAe\_WoP#6

##### 6.5.9.7 FS\_eSBMAe\_WoP#7

##### 6.5.9.8 FS\_eSBMAe\_WoP#8

##### 6.5.9.9 FS\_eSBMAe\_WoP#9

##### 6.5.9.10 FS\_eSBMAe\_WoP#10

#### 6.5.10 Study on Management Aspects of URLLC

**S5-223727 Latest draft TR 28.832**

*Type: draft TR For: Approval  
 28.832 v0.2.0  
 Source: China Unicom*

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

##### 6.5.10.1 FS\_URLLC\_Mgt\_WoP#1

##### 6.5.10.2 FS\_URLLC\_Mgt\_WoP#2

**S5-223367 Add candidates for study of feature management**

*Type: pCR For: Approval  
 28.832 v0.1.0  
 Source: China Unicom*

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

##### 6.5.10.3 FS\_URLLC\_Mgt\_WoP#3

**S5-223368 Add Key Issue on the Performance measurements related to URLLC**

*Type: pCR For: Approval  
 28.832 v0.1.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-223593**.

**S5-223593 Add Key Issue on the Performance measurements related to URLLC**

*Type: pCR For: Approval  
 28.832 v0.1.0  
 Source: China Unicom*

(Replaces S5-223368)

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

##### 6.5.10.4 FS\_URLLC\_Mgt\_WoP#4

#### 6.5.11 Study on Management Aspect of 5GLAN

**S5-223728 Latest draft TR 28.833**

*Type: draft TR For: Approval  
 28.833 v0.2.0  
 Source: China mobile*

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

##### 6.5.11.1 FS\_5GLAN\_Mgt\_WoP#1

**S5-223339 pCR TR 28.833 Change TR structure**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-223594**.

**S5-223594 pCR TR 28.833 Change TR structure**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-223339)

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

**S5-223340 Add use case1 for 5G VN group data management of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-223595**.

**S5-223595 Add use case1 for 5G VN group data management of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-223340)

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

**S5-223341 Add use case2 for PDU Session management of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-223596**.

**S5-223596 Add use case2 for PDU Session management of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-223341)

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

**S5-223342 Add use case3 for user plane handing of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-223597**.

**S5-223597 Add use case3 for user plane handing of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-223342)

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

**S5-223343 Add use case4 for 5G VN performance measurement management of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-223598**.

**S5-223598 Add use case4 for 5G VN performance measurement management of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-223343)

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

**S5-223344 Add use case5 for 5G VN group end-to-end network KPIS management of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-223599**.

**S5-223599 Add use case5 for 5G VN group end-to-end network KPIS management of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.1.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-223344)

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

##### 6.5.11.2 FS\_5GLAN\_Mgt\_WoP#2

##### 6.5.11.3 FS\_5GLAN\_Mgt\_WoP#3

##### 6.5.11.4 FS\_5GLAN\_Mgt\_WoP#4

#### 6.5.12 Study on Management of Cloud Native Virtualized Network Functions

**S5-223729 Latest draft TR 28.834**

*Type: draft TR For: Approval  
 28.834 v0.1.0  
 Source: China Mobile*

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

##### 6.5.12.1 FS\_MCVNF\_WoP#1

**S5-223354 TR 28.834 Initial Skeleton v0.0.0**

*Type: draft TR For: Approval  
 28.834 v0.0.0  
 Source: China Mobile Com. Corporation*

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

**S5-223355 pCR 28.834 Add TR structure**

*Type: pCR For: Approval  
 28.834 v0.0.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-223600**.

**S5-223600 pCR 28.834 Add TR structure**

*Type: pCR For: Approval  
 28.834 v0.0.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-223355)

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

**S5-223356 pCR 28.834 Add scope**

*Type: pCR For: Approval  
 28.834 v0.0.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-223601**.

**S5-223601 pCR 28.834 Add scope**

*Type: pCR For: Approval  
 28.834 v0.0.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-223356)

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

**S5-223437 Discussion paper on cloud-native NF deployment**

*Type: discussion For: Endorsement  
 28.834 v..  
 Source: Microsoft Europe SARL*

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

**S5-223444 pCR 28.834 Add use case on cloud-native VNF deployment**

*Type: pCR For: Approval  
 28.834 v0.0.0  
 Source: Microsoft Europe SARL*

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

##### 6.5.12.2 FS\_MCVNF\_WoP#2

##### 6.5.12.3 FS\_MCVNF\_WoP#3

#### 6.5.13 Study on Management Aspects of 5G MOCN Network Sharing Phase2

**S5-223730 Latest draft TR 28.835**

*Type: draft TR For: Approval  
 28.835 v0.2.0  
 Source: China Unicom*

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

##### 6.5.13.1 FS\_MANS\_ph2\_WoP#1

**S5-223352 Add Concepts and overview**

*Type: pCR For: Approval  
 28.835 v0.1.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-223602**.

**S5-223602 Add Concepts and overview**

*Type: pCR For: Approval  
 28.835 v0.1.0  
 Source: China Unicom*

(Replaces S5-223352)

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

**S5-223353 Add key issue management requirement between MOP-NM and MOP-SR-DM**

*Type: pCR For: Approval  
 28.835 v0.1.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-223603**.

**S5-223603 Add key issue management requirement between MOP-NM and MOP-SR-DM**

*Type: pCR For: Approval  
 28.835 v0.1.0  
 Source: China Unicom*

(Replaces S5-223353)

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

##### 6.5.13.2 FS\_MANS\_ph2\_WoP#2

**S5-223363 Add key issue service-based management architecture for MOCN**

*Type: pCR For: Approval  
 28.835 v0.1.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-223604**.

**S5-223604 Add key issue service-based management architecture for MOCN**

*Type: pCR For: Approval  
 28.835 v0.1.0  
 Source: China Unicom*

(Replaces S5-223363)

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

**S5-223365 Add potential solution for performance measurements without PLMN ID at NRcellCU**

*Type: pCR For: Approval  
 28.835 v0.1.0  
 Source: China Unicom*

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

##### 6.5.13.3 FS\_MANS\_ph2\_WoP#3

#### 6.5.14 Study on continuous integration continuous delivery support for 3GPP NFs

**S5-223731 Latest draft TR 28.819**

*Type: draft TR For: Approval  
 28.819 v0.7.0  
 Source: China Mobile*

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

##### 6.5.14.1 FS\_CICDNS\_WoP#1

**S5-223262 pCR 28.819 Add process for multiple vendor case**

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

**Decision:** The document was **revised to S5-223605**.

**S5-223605 pCR 28.819 Add process for multiple vendor case**

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

(Replaces S5-223262)

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

**S5-223263 pCR 28.819 Add description of deployment options**

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

**Decision:** The document was **revised to S5-223606**.

**S5-223606 pCR 28.819 Add description of deployment options**

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

(Replaces S5-223263)

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

**S5-223264 pCR 28.819 Update text for editorial issues**

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

**Decision:** The document was **revised to S5-223607**.

**S5-223607 pCR 28.819 Update text for editorial issues**

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

(Replaces S5-223264)

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

**S5-223265 pCR 28.819 Update text for vendor feedback use case**

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

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

**S5-223392 pCR 28.819 Proposed overall process**

*Type: pCR For: Approval  
 28.819 v0.6.0  
 Source: China Mobile Com. Corporation, Lenovo, Motorola Mobility*

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

**S5-223592 Presentation sheet for FS\_CICDNS**

*Type: TS or TR cover For: Approval  
 28.819 v..  
 Source: China Mobile*

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

##### 6.5.14.2 FS\_CICDNS\_WoP#2

#### 6.5.15 Study on Management of Trace/MDT phase 2

**S5-223732 Latest draft TR 28.837**

*Type: draft TR For: Approval  
 28.837 v0.2.0  
 Source: Nokia*

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

##### 6.5.15.1 FS\_5GMDT\_Ph2\_WoP#1

**S5-223403 Rel-18 pCR 28.837 Reporting of Collected Management Data**

*Type: pCR For: Approval  
 28.837 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.5.15.2 FS\_5GMDT\_Ph2\_WoP#2

**S5-223184 Rel-18 pCR 28.837 Gaps in Signalling Based Trace Activation**

*Type: pCR For: Approval  
 28.837 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223404 Rel-18 pCR 28.837 Name Containment in case of Handover for Signalling Based Trace Activation**

*Type: pCR For: Approval  
 28.837 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.5.15.3 FS\_5GMDT\_Ph2\_WoP#3

##### 6.5.15.4 FS\_5GMDT\_Ph2\_WoP#4

##### 6.5.15.5 FS\_5GMDT\_Ph2\_WoP#5

##### 6.5.15.6 FS\_5GMDT\_Ph2\_WoP#6

##### 6.5.15.7 FS\_5GMDT\_Ph2\_WoP#7

##### 6.5.15.8 FS\_5GMDT\_Ph2\_WoP#8

#### 6.5.16 Study on YANG PUSH

##### 6.5.16.1 FS\_YANG\_WoP#1

##### 6.5.16.2 FS\_YANG\_WoP#2

##### 6.5.16.3 FS\_YANG\_WoP#3

##### 6.5.16.4 FS\_YANG\_WoP#4

##### 6.5.16.5 FS\_YANG\_WoP#5

#### 6.5.17 Study on enhancement of management of non-public networks

**S5-223733 Latest draft TR 28.907**

*Type: draft TR For: Approval  
 28.907 v0.2.0  
 Source: Huawei*

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

##### 6.5.17.1 FS\_OAM\_eNPN\_WoP#1

##### 6.5.17.2 FS\_OAM\_eNPN\_WoP#2

**S5-223236 pCR 28.907 Potential solution for KI#2**

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

**Decision:** The document was **revised to S5-223608**.

**S5-223608 pCR 28.907 Potential solution for KI#2**

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

(Replaces S5-223236)

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

##### 6.5.17.3 FS\_OAM\_eNPN\_WoP#3

**S5-223234 pCR 28.907 Key Issue on SLA monitoring and evaluation**

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

**Decision:** The document was **revised to S5-223609**.

**S5-223609 pCR 28.907 Key Issue on SLA monitoring and evaluation**

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

(Replaces S5-223234)

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

**S5-223235 pCR 28.907 Potential solution for KI#1**

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

**Decision:** The document was **revised to S5-223610**.

**S5-223610 pCR 28.907 Potential solution for KI#1**

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

(Replaces S5-223235)

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

##### 6.5.17.4 FS\_OAM\_eNPN\_WoP#4

#### 6.5.18 Study on new aspects of EE for 5G networks Phase 2

##### 6.5.18.1 FS\_EE5G\_Ph2\_WoP#1

##### 6.5.18.2 FS\_EE5G\_Ph2\_WoP#2

#### 6.5.19 Study on Network and Service Operations for Energy Utilities

**S5-223734 Latest draft TR 28.829**

*Type: draft TR For: Approval  
 28.829 v0.2.0  
 Source: Samsung*

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

##### 6.5.19.1 FS\_NSOEU\_WoP#1

##### 6.5.19.2 FS\_NSOEU\_WoP#2

**S5-223390 pCR TR 28.829 Business use case - MNO provides performance info**

*Type: pCR For: Approval  
 28.829 v0.1.0  
 Source: Samsung, EUTC, BMWK, Vodafone*

**Abstract:**

In this pCR general problem and current practice surrounding energy outage coordination and handling is presented as a use case.

**Decision:** The document was **revised to S5-223611**.

**S5-223611 pCR TR 28.829 Business use case - MNO provides performance info**

*Type: pCR For: Approval  
 28.829 v0.1.0  
 Source: Samsung, EUTC, BMWK, Vodafone*

(Replaces S5-223390)

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

##### 6.5.19.3 FS\_NSOEU\_WoP#3

##### 6.5.19.4 FS\_NSOEU\_WoP#4

##### 6.5.19.5 FS\_NSOEU\_WoP#5

**S5-223389 pCR TR 28.829 Business use case - Utility provides performance and failure info**

*Type: pCR For: Approval  
 28.829 v0.1.0  
 Source: Samsung, EUTC, BMWK, Vodafone*

**Abstract:**

This document is a pCR intending to add an initial use case for existing practice for network performance problem reporting from a DSO to a MNO.

**Decision:** The document was **revised to S5-223612**.

**S5-223612 pCR TR 28.829 Business use case - Utility provides performance and failure info**

*Type: pCR For: Approval  
 28.829 v0.1.0  
 Source: Samsung, EUTC, BMWK, Vodafone*

(Replaces S5-223389)

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

##### 6.5.19.6 FS\_NSOEU\_WoP#6

##### 6.5.19.7 FS\_NSOEU\_WoP#7

##### 6.5.19.8 FS\_NSOEU\_WoP#8

**S5-223387 pCR TR 28.829 Business use case - Energy outage coordination**

*Type: pCR For: Approval  
 28.829 v0.1.0  
 Source: Samsung, EUTC, BMWK, Vodafone*

**Abstract:**

This document is a pCR intending to add an overview to the new TR 28.829 for the study item FS\_NSOEU, Feasibility Study for Network and Service Operations for Energy Utilities.

In this pCR the motivation and overall goal of the study is expressed in the G

**Decision:** The document was **revised to S5-223613**.

**S5-223613 pCR TR 28.829 Business use case - Energy outage coordination**

*Type: pCR For: Approval  
 28.829 v0.1.0  
 Source: Samsung, EUTC, BMWK, Vodafone*

(Replaces S5-223387)

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

##### 6.5.19.9 FS\_NSOEU\_WoP#9

##### 6.5.19.10 FS\_NSOEU\_WoP#10

##### 6.5.19.11 FS\_NSOEU\_WoP#11

##### 6.5.19.12 FS\_NSOEU\_WoP#12

##### 6.5.19.13 FS\_NSOEU\_WoP#13

#### 6.5.20 Study on Key Quality Indicators (KQIs)for 5G service experience

**S5-223751 Latest draft TR 28.863**

*Type: draft TR For: Approval  
 28.863 v0.2.0  
 Source: Huawei*

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

##### 6.5.20.1 FS\_KQI\_5G\_WoP#1

##### 6.5.20.2 FS\_KQI\_5G\_WoP#2

**S5-223436 pCR TR 28.863 Key Issue#1 Definition of KQI**

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

**Decision:** The document was **revised to S5-223741**.

**S5-223741 pCR TR 28.863 Key Issue#1 Definition of KQI**

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

(Replaces S5-223436)

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

**S5-223443 pCR TR 28.863 Key Issue#3 Solution of Key influencing factors for service experience of Video Uploading**

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

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

**S5-223445 pCR TR 28.863 Key Issue#3 Solution of KQIs for Video Uploading**

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

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

**S5-223446 pCR TR 28.863 Key Issue#3 Evaluation of KQI for Video Uploading**

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

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

**S5-223447 pCR TR 28.863 Key Issue#3 Solution of related KPIs which will influence the KQIs for Video Uploading**

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

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

##### 6.5.20.3 FS\_KQI\_5G\_WoP#3

**S5-223448 pCR TR 28.863 Key Issue#4 Solution of Key influencing factors for Remote Controlling**

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

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

**S5-223449 pCR TR 28.863 Key Issue#4 Solution of KQIs for Remote Controlling**

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

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

**S5-223450 pCR TR 28.863 Key Issue#4 Solution of related KPIs which will influence the KQIs for remote controlling**

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

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

##### 6.5.20.4 FS\_KQI\_5G\_WoP#4

##### 6.5.20.5 FS\_KQI\_5G\_WoP#5

#### 6.5.21 Study on Deterministic Communication Service Assurance

**S5-223735 Latest draft TR 28.865**

*Type: draft TR For: discussion  
 28.865 v0.2.0  
 Source: Huawei*

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

##### 6.5.21.1 FS\_DCSA\_WoP#1

##### 6.5.21.2 FS\_DCSA\_WoP#2

**S5-223463 pCR TR 28.865 Add framework of FS\_DCSA**

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

**Decision:** The document was **revised to S5-223614**.

**S5-223614 pCR TR 28.865 Add framework of FS\_DCSA**

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

(Replaces S5-223463)

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

**S5-223466 pCR TR 28.865 Add key issue provisioning of network functions related to DCSA**

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

**Decision:** The document was **revised to S5-223615**.

**S5-223615 pCR TR 28.865 Add key issue provisioning of network functions related to DCSA**

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

(Replaces S5-223466)

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

##### 6.5.21.3 FS\_DCSA\_WoP#3

##### 6.5.21.4 FS\_DCSA\_WoP#4

**S5-223467 pCR TR 28.865 Add key issue service assurance for video monitoring**

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

**Decision:** The document was **revised to S5-223616**.

**S5-223616 pCR TR 28.865 Add key issue service assurance for video monitoring**

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

(Replaces S5-223467)

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

**S5-223469 pCR TR 28.865 Add key issue service assurance for PLC control**

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

**Decision:** The document was **revised to S5-223617**.

**S5-223617 pCR TR 28.865 Add key issue service assurance for PLC control**

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

(Replaces S5-223469)

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

**S5-223470 pCR TR 28.865 Add solution service assurance for video monitoring**

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

**Decision:** The document was **revised to S5-223618**.

**S5-223618 pCR TR 28.865 Add solution service assurance for video monitoring**

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

(Replaces S5-223470)

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

**S5-223472 pCR TR 28.865 Add solution service assurance for PLC control**

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

**Decision:** The document was **revised to S5-223619**.

**S5-223619 pCR TR 28.865 Add solution service assurance for PLC control**

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

(Replaces S5-223472)

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

##### 6.5.21.5 FS\_DCSA\_WoP#5

#### 6.5.22 Study on management aspects of network slice management capability exposure

**S5-223736 Latest draft TR 28.824**

*Type: draft TR For: Approval  
 28.824 v0.7.0  
 Source: Alibaba*

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

##### 6.5.22.1 FS\_NSCE\_WoP#1

**S5-223230 Make descriptions in issues and gaps more uniform**

*Type: pCR For: Approval  
 28.824 v0.6.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223620**.

**S5-223620 Make descriptions in issues and gaps more uniform**

*Type: pCR For: Approval  
 28.824 v0.6.0  
 Source: Ericsson LM*

(Replaces S5-223230)

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

**S5-223237 pCR 28.824 Add new requirements related to exposure interface via OSS**

*Type: pCR For: Approval  
 28.824 v0.6.0  
 Source: Huawei, Deutsche Telekom*

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

**S5-223238 pCR 28.824 Update use case exposure of network slice as a service**

*Type: pCR For: Approval  
 28.824 v0.6.0  
 Source: Huawei, Deutsche Telekom*

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

**S5-223242 Update position and add solution for direct MnS exposure**

*Type: pCR For: (not specified)  
 28.824 v0.6.0  
 Source: Lenovo Information Technology*

**Decision:** The document was **revised to S5-223621**.

**S5-223621 Update position and add solution for direct MnS exposure**

*Type: pCR For: -  
 28.824 v0.6.0  
 Source: Lenovo Information Technology*

(Replaces S5-223242)

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

**S5-223266 pCR 28.824 Add scenario of management exposure**

*Type: pCR For: Approval  
 28.824 v0.6.0  
 Source: China Southern Power Grid, Huawei*

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

##### 6.5.22.2 FS\_NSCE\_WoP#2

##### 6.5.22.3 FS\_NSCE\_WoP#3

**S5-223123 Update to solution regarding CAPIF based management capability**

*Type: pCR For: Approval  
 28.824 v0.6.0  
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-223622**.

**S5-223622 Update to solution regarding CAPIF based management capability**

*Type: pCR For: Approval  
 28.824 v0.6.0  
 Source: Alibaba Group*

(Replaces S5-223123)

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

**S5-223208 pCR 28.824 Solution for Network slice management capability exposure**

*Type: pCR For: Agreement  
 28.824 v0.6.0  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-223624**.

**S5-223624 pCR 28.824 Solution for Network slice management capability exposure**

*Type: pCR For: Agreement  
 28.824 v0.6.0  
 Source: Samsung R&D Institute India*

(Replaces S5-223208)

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

**S5-223229 Add procedure for consumption of exposed MnS after service order is completed**

*Type: pCR For: Approval  
 28.824 v0.6.0  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-223625**.

**S5-223625 Add procedure for consumption of exposed MnS after service order is completed**

*Type: pCR For: Approval  
 28.824 v0.6.0  
 Source: Ericsson LM, Deutsche Telekom*

(Replaces S5-223229)

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

**S5-223231 Discussion paper on filtering, enrichment and converting of management information**

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

**Decision:** The document was **revised to S5-223744**.

**S5-223744 Discussion paper on filtering, enrichment and converting of management information**

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

(Replaces S5-223231)

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

**S5-223241 pCR 28.824 Add note on possible charging impact**

*Type: pCR For: (not specified)  
 28.824 v0.6.0  
 Source: Lenovo Information Technology*

**Decision:** The document was **revised to S5-223623**.

**S5-223623 pCR 28.824 Add note on possible charging impact**

*Type: pCR For: -  
 28.824 v0.6.0  
 Source: Lenovo Information Technology*

(Replaces S5-223241)

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

**S5-223378 pCR 28.824 add procedure of MnS exposure via CAPIF**

*Type: pCR For: Approval  
 28.824 v0.6.0  
 Source: AsiaInfo*

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

##### 6.5.22.4 FS\_NSCE\_WoP#4

##### 6.5.22.5 FS\_NSCE\_WoP#5

#### 6.5.23 Study on alignment with ETSI MEC for Edge computing management

**S5-223737 Latest draft TR 28.903**

*Type: draft TR For: discussion  
 28.903 v0.2.0  
 Source: Huawei*

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

##### 6.5.23.1 FS\_MEC\_ECM\_WoP#1

**S5-223267 pCR 28.903 background information for ETSI MEC**

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

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

**S5-223268 pCR 28.903 adding key issue for package management**

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

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

**S5-223269 pCR 28.903 adding key issue for EAS LCM management**

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

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

##### 6.5.23.2 FS\_MEC\_ECM\_WoP#2

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

#### 6.6.1 Enhancement of QoE Measurement Collection

**S5-223431 Rel-17 CR 28.623 Add QMC job, stage 3 (YANG)**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0171 Cat: B (Rel-17)  
  
 Source: Ericsson Inc.*

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

**S5-223506 Alignment of 28404 with 28405**

*Type: CR For: Agreement  
 28.404 v17.1.0 CR-0007 Cat: F (Rel-17)  
  
 Source: Ericsson Limited*

**Decision:** The document was **revised to S5-223746**.

**S5-223746 Alignment of 28404 with 28405**

*Type: CR For: Agreement  
 28.404 v17.1.0 CR-0007 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson Limited*

(Replaces S5-223506)

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

**S5-223509 Adding Signaling Based Activation for NR**

*Type: CR For: Agreement  
 28.405 v17.1.0 CR-0009 Cat: B (Rel-17)  
  
 Source: Ericsson Limited*

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

**S5-223510 Handling QMC measurements at Handover for NR**

*Type: CR For: Approval  
 28.405 v17.1.0 CR-0010 Cat: B (Rel-17)  
  
 Source: Ericsson Limited*

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

**S5-223511 Adding QMCJob**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0165 Cat: B (Rel-17)  
  
 Source: Ericsson Limited*

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

**S5-223512 Attribute updates**

*Type: CR For: Approval  
 28.405 v17.1.0 CR-0011 Cat: F (Rel-17)  
  
 Source: Ericsson Limited*

**Decision:** The document was **revised to S5-223747**.

**S5-223747 Attribute updates**

*Type: CR For: Approval  
 28.405 v17.1.0 CR-0011 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson Limited*

(Replaces S5-223512)

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

#### 6.6.2 Management data collection control and discovery

**S5-223154 Rel-17 Input to DraftCR 28.622 Enhancement and corrections for IOC "ManagementDataCollection" (stage 2)**

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

**Decision:** The document was **revised to S5-223626**.

**S5-223626 Rel-17 Input to DraftCR 28.622 Enhancement and corrections for IOC "ManagementDataCollection" (stage 2)**

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

(Replaces S5-223154)

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

**S5-223174 Rel-17 Input to draftCR 28.622 Add information about supported trace metrics (stage 2)**

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

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

**S5-223175 Rel-17 Input to draftCR 28.623 Add information about supported trace metrics (stage 3)**

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

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

**S5-223176 Rel-17 Input to draftCR 28.622 Reporting for IOC "ManagementDataCollection" (stage 2)**

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

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

**S5-223185 Discussion on reporting for IOC "ManagementDataCollection"**

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

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

**S5-223427 Rel-17 Input to DraftCR 28.623 Enhancement and corrections for IOC "ManagementDataCollection" (stage 3)**

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

**Decision:** The document was **revised to S5-223627**.

**S5-223627 Rel-17 Input to DraftCR 28.623 Enhancement and corrections for IOC "ManagementDataCollection" (stage 3)**

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

(Replaces S5-223427)

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

**S5-223428 Rel-17 Input to DraftCR 28.623 Reporting for IOC "ManagementDataCollection" (stage 3)**

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

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

**S5-223588 Rel-17 CR 28.622 Add stage 2 for management data collection and discovery**

*Type: CR For: Agreement  
 28.622 v17.1.1 CR-0166 Cat: B (Rel-17)  
  
 Source: Nokia*

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

**S5-223589 Rel-17 CR 28.623 Add stage 3 for management data collection and discovery (OpenAPI definitions)**

*Type: CR For: Agreement  
 28.623 v17.1.0 CR-0175 Cat: B (Rel-17)  
  
 Source: Nokia*

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

**S5-223590 Rel-17 CR 28.537 Add requirements for management data collection and discovery**

*Type: CR For: Agreement  
 28.537 v17.2.0 CR-0010 Cat: B (Rel-17)  
  
 Source: Nokia*

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

**S5-223657 DraftCR for MADCOL TS 28.622**

*Type: draftCR For: discussion  
 28.622 v17.1.1  
 Source: Nokia*

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

**S5-223658 DraftCR for MADCOL TS 28.623**

*Type: draftCR For: Approval  
 28.623 v17.1.0  
 Source: Nokia*

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

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

**S5-223070 Rel-17 pCR TS 28.312 OpenAPI file name and dependence change-intentNrm**

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

**Decision:** The document was **revised to S5-223628**.

**S5-223628 Rel-17 pCR TS 28.312 OpenAPI file name and dependence change-intentNrm**

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

(Replaces S5-223070)

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

**S5-223071 Rel-18 pCR TS 28.312 OpenAPI file name and dependence change-intentNrm**

*Type: pCR For: Approval  
 28.312 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223321 pCR 28.312 Update description of value DEGRADED in clause 6.2.1.3.6**

*Type: pCR For: Approval  
 28.312 v1.1.0  
 Source: China Mobile, Huawei, Nokia*

**Decision:** The document was **revised to S5-223629**.

**S5-223629 pCR 28.312 Update description of value DEGRADED in clause 6.2.1.3.6**

*Type: pCR For: Approval  
 28.312 v1.1.0  
 Source: China Mobile, Huawei, Nokia*

(Replaces S5-223321)

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

**S5-223329 pCR TS 28.312 Rapporteur clean up**

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

**Decision:** The document was **revised to S5-223630**.

**S5-223630 pCR TS 28.312 Rapporteur clean up**

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

(Replaces S5-223329)

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

**S5-223330 pCR TS 28.312 Rapporteur final udpate on stage3**

*Type: pCR For: Approval  
 28.312 v1.1.0  
 Source: Huawei, Deutsche Telekom*

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

**S5-223335 add Service Support Expectation in clause 7.2.2 stage3**

*Type: pCR For: Approval  
 28.312 v1.1.0  
 Source: AsiaInfo, Huawei*

**Decision:** The document was **revised to S5-223633**.

**S5-223633 add Service Support Expectation in clause 7.2.2 stage3**

*Type: pCR For: Approval  
 28.312 v1.1.0  
 Source: AsiaInfo, Huawei*

(Replaces S5-223335)

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

**S5-223336 update the stage 2 of Service Support Expectation**

*Type: pCR For: Approval  
 28.312 v1.1.0  
 Source: AsiaInfo,Huawei*

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

**S5-223429 Rel-18 pCR 28.312 Fix Create an Intent procedure numbering**

*Type: pCR For: Approval  
 28.312 v1.1.0  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-223631**.

**S5-223631 Rel-18 pCR 28.312 Fix Create an Intent procedure numbering**

*Type: pCR For: Approval  
 28.312 v1.1.0  
 Source: Ericsson Inc.*

(Replaces S5-223429)

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

**S5-223430 Rel-18 pCR 28.312 Fix intentFulfillment attribute definition**

*Type: pCR For: Approval  
 28.312 v1.1.0  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-223632**.

**S5-223632 Rel-18 pCR 28.312 Fix intentFulfillment attribute definition**

*Type: pCR For: Approval  
 28.312 v1.1.0  
 Source: Ericsson Inc.*

(Replaces S5-223430)

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

**S5-223738 Latest draft TS 28.312**

*Type: draft TS For: discussion  
 28.312 v1.2.0  
 Source: Huawei*

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

#### 6.6.4 Enhanced Closed loop SLS Assurance

**S5-223239 R17 Add disable list for a specific DN attribute of ACCL NRM**

*Type: CR For: Approval  
 28.536 v17.2.0 CR-0050 Cat: B (Rel-17)  
  
 Source: Lenovo, Ericsson*

**Decision:** The document was **revised to S5-223634**.

**S5-223634 R17 Add disable list for a specific DN attribute of ACCL NRM**

*Type: CR For: Approval  
 28.536 v17.2.0 CR-0050 rev 1 Cat: B (Rel-17)  
  
 Source: Lenovo, Ericsson*

(Replaces S5-223239)

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

**S5-223494 R17 CR for Stage 3 for enabledordisabled list**

*Type: CR For: (not specified)  
 28.536 v17.2.0 CR-0055 Cat: F (Rel-17)  
  
 Source: Lenovo Information Technology*

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

#### 6.6.5 Enhancements of Management Data Analytics Service

**S5-223131 Removing recommendations options**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Nokia Germany*

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

**S5-223210 pCR 28.104 Handover Optimization**

*Type: pCR For: Agreement  
 28.104 v1.1.0  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-223748**.

**S5-223748 pCR 28.104 Handover Optimization**

*Type: pCR For: Agreement  
 28.104 v1.1.0  
 Source: Samsung R&D Institute India*

(Replaces S5-223210)

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

**S5-223270 pCR TS 28.104 Add Alarm analytics solution-stage 2**

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

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

**S5-223271 pCR TS 28.104 update EsRecommendationsOnUPF and EsRecommendationsOnNRcell**

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

**Decision:** The document was **revised to S5-223635**.

**S5-223635 pCR TS 28.104 update EsRecommendationsOnUPF and EsRecommendationsOnNRcell**

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

(Replaces S5-223271)

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

**S5-223272 pCR TS 28.104 update TrafficProjections data type**

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

**Decision:** The document was **revised to S5-223640**.

**S5-223640 pCR TS 28.104 update TrafficProjections data type**

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

(Replaces S5-223272)

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

**S5-223273 pCR 28.104 Add clause for energy saving analysis**

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

**Decision:** The document was **revised to S5-223636**.

**S5-223636 pCR 28.104 Add clause for energy saving analysis**

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

(Replaces S5-223273)

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

**S5-223274 pCR 28.104 Editorial improvement**

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

**Decision:** The document was **revised to S5-223637**.

**S5-223637 pCR 28.104 Editorial improvement**

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

(Replaces S5-223274)

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

**S5-223275 pCR 28.104 Rename tables for failure prediction analysis**

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

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

**S5-223345 PM-based and KPI-based analytics outputs**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Nokia Germany*

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

**S5-223346 Adding MDA output IOC**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-223641**.

**S5-223641 Adding MDA output IOC**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Nokia Germany*

(Replaces S5-223346)

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

**S5-223349 Stage 2 solution for paging analytics use case**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Nokia, Nokia Shangai Bell, Samsung*

**Decision:** The document was **revised to S5-223750**.

**S5-223750 Stage 2 solution for paging analytics use case**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Nokia, Nokia Shangai Bell, Samsung*

(Replaces S5-223349)

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

**S5-223350 Update the paging use case description to indicate the geographical area-based and group of users based analytics**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223366 Rel-17 CR 28.532 Add alarm prediction solution (stage 2)**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0159 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223370 Rel-17 CR 28.532 Add alarm prediction solution (REST SS, OpenAPI definition)**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0212 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223379 Rel-17 pCR 28.104 Add MDA capability for handover optimization**

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

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

**S5-223380 Rel-17 pCR TS 28.105 Add AIML training attribute in case of AIML training initiated by producer**

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

**Decision:** The document was **revised to S5-223646**.

**S5-223646 Rel-17 pCR TS 28.105 Add AIML training attribute in case of AIML training initiated by producer**

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

(Replaces S5-223380)

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

**S5-223381 Rel-17 pCR TS 28.104 add MDA analysis request and report generic workflow**

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

**Decision:** The document was **revised to S5-223649**.

**S5-223649 Rel-17 pCR TS 28.104 add MDA analysis request and report generic workflow**

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

(Replaces S5-223381)

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

**S5-223382 Rel-17 pCR TS 28.105 Update the definition of performanceScore**

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

**Decision:** The document was **revised to S5-223745**.

**S5-223745 Rel-17 pCR TS 28.105 Update the definition of performanceScore**

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

(Replaces S5-223382)

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

**S5-223383 Rel-17 pCR TS 28.105 Correct the attribute definitions of NRMs for AI-ML model training**

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

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

**S5-223394 Add requirements for handling erroneous data & decisions**

*Type: pCR For: Approval  
 28.105 v1.1.0  
 Source: Nokia Italy*

**Abstract:**

MDA output for proactive coverage analytics

**Decision:** The document was **revised to S5-223652**.

**S5-223652 Add requirements for handling erroneous data & decisions**

*Type: pCR For: Approval  
 28.105 v1.1.0  
 Source: Nokia Italy*

(Replaces S5-223394)

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

**S5-223395 Add requirements for pre-processed event data for ML training**

*Type: pCR For: Approval  
 28.105 v1.1.0  
 Source: Nokia Italy*

**Abstract:**

Add requirements for pre-processed event data for ML training

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

**S5-223396 Add requirements for sandboxing ML solutions**

*Type: pCR For: Approval  
 28.105 v1.1.0  
 Source: Nokia Italy*

**Abstract:**

Requirements for sandboxing ML solutions

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

**S5-223397 MDA output for proactive coverage analytics**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Nokia Italy*

**Abstract:**

MDA output for proactive coverage analytics

**Decision:** The document was **revised to S5-223645**.

**S5-223645 MDA output for proactive coverage analytics**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Nokia Italy*

(Replaces S5-223397)

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

**S5-223410 enhance MDA information model**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Nokia Italy*

**Abstract:**

enhance MDA information model

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

**S5-223461 pCR draft TS28.104, v1.1.0 Rapporteur clean-up**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: NEC, Intel*

**Decision:** The document was **revised to S5-223638**.

**S5-223638 pCR draft TS28.104, v1.1.0 Rapporteur clean-up**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: NEC, Intel*

(Replaces S5-223461)

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

**S5-223471 pCR 28.104 Add data type definitions**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Intel*

**Decision:** The document was **revised to S5-223642**.

**S5-223642 pCR 28.104 Add data type definitions**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Intel*

(Replaces S5-223471)

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

**S5-223473 pCR 28.104 Enhance MDA NRM**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Intel*

**Decision:** The document was **revised to S5-223643**.

**S5-223643 pCR 28.104 Enhance MDA NRM**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Intel*

(Replaces S5-223473)

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

**S5-223474 pCR 28.105 Update AI-ML NRM**

*Type: pCR For: Approval  
 28.105 v1.1.0  
 Source: Intel, NEC*

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

**S5-223475 pCR draft TS28.105, v1.1.0 Rapporteur clean-up**

*Type: pCR For: Approval  
 28.105 v1.1.0  
 Source: NEC, Intel*

**Decision:** The document was **revised to S5-223650**.

**S5-223650 pCR draft TS28.105, v1.1.0 Rapporteur clean-up**

*Type: pCR For: Approval  
 28.105 v1.1.0  
 Source: NEC, Intel*

(Replaces S5-223475)

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

**S5-223476 pCR 28.105 Add stage 3 solution sets for AI-ML NRM**

*Type: pCR For: Approval  
 28.105 v1.1.0  
 Source: Intel*

**Decision:** The document was **revised to S5-223647**.

**S5-223647 pCR 28.105 Add stage 3 solution sets for AI-ML NRM**

*Type: pCR For: Approval  
 28.105 v1.1.0  
 Source: Intel*

(Replaces S5-223476)

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

**S5-223477 pCR 28.104 Add stage 3 solution sets for MDA NRM**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Intel*

**Decision:** The document was **revised to S5-223644**.

**S5-223644 pCR 28.104 Add stage 3 solution sets for MDA NRM**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Intel*

(Replaces S5-223477)

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

**S5-223478 pCR 28.104 Add file format definitions for MDA outputs**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Intel*

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

**S5-223479 pCR 28.104 Add streaming data format for MDA outputs**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: Intel*

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

**S5-223480 Presentation of TS 28.104 for approval**

*Type: TS or TR cover For: Approval  
 28.104 v2.0.0  
 Source: Intel*

**Decision:** The document was **revised to S5-223639**.

**S5-223639 Presentation of TS 28.104 for approval**

*Type: TS or TR cover For: Approval  
 28.104 v2.0.0  
 Source: Intel*

(Replaces S5-223480)

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

**S5-223481 Presentation of TS 28.105 for approval**

*Type: TS or TR cover For: Approval  
 28.105 v2.0.0  
 Source: Intel*

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

**S5-223482 pCR draft TS28.104, add AI/ML optional support for MDA**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: NEC, Intel*

**Decision:** The document was **revised to S5-223648**.

**S5-223648 pCR draft TS28.104, add AI/ML optional support for MDA**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: NEC, Intel*

(Replaces S5-223482)

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

**S5-223484 CR Rel-17 28.622 Generalize the ThresholdInfo data type**

*Type: CR For: Agreement  
 28.622 v17.1.1 CR-0164 Cat: C (Rel-17)  
  
 Source: Intel*

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

**S5-223485 pCR draft TS28.104, add reporting MnS components**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: NEC, Intel*

**Decision:** The document was **revised to S5-223749**.

**S5-223749 pCR draft TS28.104, add reporting MnS components**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: NEC, Intel*

(Replaces S5-223485)

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

**S5-223487 pCR draft TS28.105, updates to AI/ML NRM**

*Type: pCR For: Approval  
 28.105 v1.1.0  
 Source: NEC Europe Ltd*

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

**S5-223492 CR draft TS28.104, revisions to Network slice traffic prediction**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: NEC Europe Ltd*

**Decision:** The document was **revised to S5-223651**.

**S5-223651 CR draft TS28.104, revisions to Network slice traffic prediction**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: NEC Europe Ltd*

(Replaces S5-223492)

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

**S5-223505 pCR draft TS28.104, revisions to clause 7.3.2 obtaining MDA Output**

*Type: pCR For: Approval  
 28.104 v1.1.0  
 Source: NEC Europe Ltd*

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

**S5-223739 Latest draft TS 28.104**

*Type: draft TS For: Approval  
 28.104 v1.2.0  
 Source: Intel*

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

**S5-223740 Latest draft TS 28.105**

*Type: draft TS For: Approval  
 28.105 v1.2.0  
 Source: Intel*

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

#### 6.6.6 Edge Computing Management

**S5-223040 Rel-17 CR 28.538 Add the terminologies for PLMN and ECSP management systems**

*Type: CR For: Approval  
 28.538 v17.0.0 CR-0004 Cat: F (Rel-17)  
  
 Source: Intel Korea, Ltd.*

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

**S5-223041 Rel-17 CR 28.538 Add editorial changes**

*Type: CR For: Approval  
 28.538 v17.0.0 CR-0005 Cat: F (Rel-17)  
  
 Source: Intel Korea, Ltd.*

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

**S5-223223 Presentation of Specification TS 28.538 (Edge Computing Management)**

*Type: TS or TR cover For: Agreement  
 28.538 v17.0.0  
 Source: Samsung R&D Institute India*

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

**S5-223591 Rel-17 CR 28.552 performance measurements for ECS - Service Provisioning**

*Type: CR For: Agreement  
 28.552 v17.6.0 CR-0374 Cat: B (Rel-17)  
  
 Source: Samsung Electronics Benelux BV*

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

#### 6.6.7 Access control for management service

**S5-223399 Rel-17 TS28.532 enhance OpenAPI to support access control**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0214 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223400 Rel-17 TS28.622 enhance NRM to support access control**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0160 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223401 Rel-17 TS28.623 enhance NRM to support access control Stage 3**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0170 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223402 Rel-17 TS28.533 enhancement to support access control**

*Type: CR For: Approval  
 28.533 v17.2.0 CR-0100 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

#### 6.6.8 Network slice provisioning enhancement

**S5-223074 Rel-17 CR TS28531 Update procedure of reservation and checking feasibility of network slice**

*Type: CR For: Approval  
 28.531 v17.3.0 CR-0107 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223653**.

**S5-223653 Rel-17 CR TS28531 Update procedure of reservation and checking feasibility of network slice**

*Type: CR For: Approval  
 28.531 v17.3.0 CR-0107 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223074)

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

**S5-223212 Rel-17 CR 28.531 Deleting service priority**

*Type: CR For: Agreement  
 28.531 v17.3.0 CR-0109 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute India*

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

**S5-223213 Rel-17 CR 28.541 Network slice subnet provider capability IOC**

*Type: CR For: Agreement  
 28.541 v17.6.0 CR-0712 Cat: B (Rel-17)  
  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-223742**.

**S5-223742 Rel-17 CR 28.541 Network slice subnet provider capability IOC**

*Type: CR For: Agreement  
 28.541 v17.6.0 CR-0712 rev 1 Cat: B (Rel-17)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-223213)

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

**S5-223216 Rel-17 CR 28.531 Network slice subnet capabilities**

*Type: CR For: Agreement  
 28.531 v17.3.0 CR-0110 Cat: C (Rel-17)  
  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-223743**.

**S5-223743 Rel-17 CR 28.531 Network slice subnet capabilities**

*Type: CR For: Agreement  
 28.531 v17.3.0 CR-0110 rev 1 Cat: C (Rel-17)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-223216)

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

**S5-223218 Add asynchronous network slicing provisioning procedures**

*Type: CR For: Approval  
 28.531 v17.3.0 CR-0111 Cat: B (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-223219 Rel-17 Work Item Exception for eNETSLICE\_PRO**

*Type: WI exception request For: Agreement  
 Source: Samsung R&D Institute India*

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

**S5-223220 Add Job IOCs for asynchronous network slicing provisioning procedures**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0713 Cat: B (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-223243 Rel-17 CR 28.531 adding procedure network service priority management**

*Type: CR For: Agreement  
 28.531 v17.3.0 CR-0113 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223654**.

**S5-223654 Rel-17 CR 28.531 adding procedure network service priority management**

*Type: CR For: Agreement  
 28.531 v17.3.0 CR-0113 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-223243)

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

**S5-223421 Rel-17 TS 28.531 Update operations of allocateNsi, allocateNssi, deallocateNsi, deallocateNssi**

*Type: CR For: Approval  
 28.531 v17.3.0 CR-0115 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223655**.

**S5-223655 Rel-17 TS 28.531 Update operations of allocateNsi, allocateNssi, deallocateNsi, deallocateNssi**

*Type: CR For: Approval  
 28.531 v17.3.0 CR-0115 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223421)

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

**S5-223452 Rel-17 CR TS 28.531 Update procedures for asynchronous mode of operations for Network Slice and Network Slice Subnet LCM**

*Type: CR For: Approval  
 28.531 v17.3.0 CR-0116 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223453 Rel-17 CR TS 28.541 Add lifecycleState and availabilityStatus attributes to NetworkSlice and NetworkSliceSubnet**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0725 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223454 Rel-17 CR TS 28.623 Add AvailabilityStatus and LifecycleState to comDefs**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0172 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

### 6.7 Converted CRs from DraftCRs approved at SA5#142e

**S5-223028 Rel-17 CR 28.552 Correct implementation mistakes**

*Type: CR For: Approval  
 28.552 v17.6.0 CR-0363 Cat: F (Rel-17)  
  
 Source: Ericsson France S.A.S, Nokia*

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

**S5-223029 Rel-17 CR 28.541 Correct maximumDeviationHoTrigger for D-LBO**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0683 Cat: F (Rel-17)  
  
 Source: Ericsson France S.A.S*

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

**S5-223030 Rel-16 CR 28.623 Stage 3 Yang fix for 3GPP Common Trace**

*Type: CR For: Approval  
 28.623 v16.10.0 CR-0157 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

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

**S5-223031 Rel-16 CR 28.623 Stage 3 Yang fix for 3GPP Common Trace**

*Type: CR For: Approval  
 28.623 v16.10.0 CR-0158 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

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

**S5-223032 Rel 17 TS 28.623 Stage 3 Yang fix for 3GPP Common Trace**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0159 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

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

**S5-223033 Rel-16 CR 28.541 Diagram fix for NRM fragment for RRM policies**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0684 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223034 Rel-17 TS 28.541 Diagram fix for NRM fragment for RRM policies**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0685 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223035 Rel-16 Fixing OpenAPI Discoverability issue in CoslaNrm.yaml stage 3**

*Type: CR For: Approval  
 28.536 v16.3.0 CR-0045 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-223036 Rel-17 Fixing OpenAPI Discoverability issue in CoslaNrm.yaml stage 3**

*Type: CR For: Approval  
 28.536 v17.2.0 CR-0046 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-223037 Rel-17 Fixing OpenAPI Discoverability issue in EdgeNrm.yaml stage 3**

*Type: CR For: Approval  
 28.538 v17.0.0 CR-0001 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-223038 Rel-17 CR 28.538 Add the concept for edge computing management**

*Type: CR For: Approval  
 28.538 v17.0.0 CR-0002 Cat: C (Rel-17)  
  
 Source: Intel Korea, Ltd., Samsung*

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

**S5-223039 Rel-17 CR 28.538 Add the missing procedure not implemented from approved pCR**

*Type: CR For: Approval  
 28.538 v17.0.0 CR-0003 Cat: F (Rel-17)  
  
 Source: Intel Korea, Ltd.*

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

**S5-223042 Rel-16 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-5gcNrm.yaml**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0686 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223043 Rel-16 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-nrNrm.yaml**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0687 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223044 Rel-16 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-sliceNrm.yaml**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0688 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223045 Rel-17 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-5gcNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0689 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223046 Rel-17 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-nrNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0690 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223047 Rel-17 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-sliceNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0691 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223048 Rel-16 TS 28.541 CT OpenAPI file relative-path URI references and dependence change for 5gcNrm.yaml**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0692 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223049 Rel-17 TS 28.541 CT OpenAPI file relative-path URI references and dependence change for 5gcNrm.yaml**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0693 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223050 TS 28.541 Fixing a few issues with attribute related to nextHopInfoList in EP\_transport**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0694 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, TELUS, Juniper Networks*

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

**S5-223051 Rel-17 CR TS 28.531 Update procedure of reservation and checking feasibility of network slice subnet**

*Type: CR For: Approval  
 28.531 v17.3.0 CR-0106 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Huawei, China Unicom, Deutsche Telekom,China Mobile,Ericsson*

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

**S5-223062 Rel-16 CR TS 28.541 Correction to RRMPolicy\_ IOC reference in RRMPolicyRatio IOC**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0701 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223063 Rel-17 CR TS 28.541 Correction to RRMPolicy\_ IOC reference in RRMPolicyRatio IOC**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0702 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223064 Rel-16 CR TS 28.541 Add attribute properties for NetworkSliceSubnet attribute priorityLabel**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0703 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223065 Rel-17 CR TS 28.541 Add attribute properties for NetworkSliceSubnet attribute priorityLabel**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0704 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223066 Rel-17 CR TS 28.541 Fix to change Support Qualifier to S**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0705 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223067 Rel-17 CR TS 28.541 Define LogicInterfaceInfo datatype and fix attribute properties for logicInterfaceInfo**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0706 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223127 Rel-16 CR 32.158 Add definition of secondary resource**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0022 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223128 Rel-17 CR 32.158 Add definition of secondary resource**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0023 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223129 Rel-16 CR 32.158 Add definition of resource "/{MnSName}/{MnSVersion}"**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0024 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223130 Rel-17 CR 32.158 Add definition of resource "/{MnSName}/{MnSVersion}"**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0025 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223132 Rel-16 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Producer**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0026 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223137 Rel-17 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Producer**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0027 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223138 Rel-16 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Consumer**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0028 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223139 Rel-17 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Consumer**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0029 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223140 Rel-16 CR 32.158 Clarify clause Design pattern for updating a resource**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0030 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223141 Rel-17 CR 32.158 Clarify clause Design pattern for updating a resource**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0031 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223142 Rel-16 CR 32.158 Clarify clause Design pattern for deleting a resource**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0032 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223143 Rel-17 CR 32.158 Clarify clause Design pattern for deleting a resource**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0033 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223144 Rel-16 CR 32.158 Clarify clause Design pattern for subscribe/notify**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0034 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223145 Rel-17 CR 32.158 Clarify clause Design pattern for subscribe/notify**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0035 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223147 Rel-16 CR 32.158 Clarify clause Design pattern for scoping and filtering**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0036 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223148 Rel-17 CR 32.158 Clarify clause Design pattern for scoping and filtering**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0037 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223149 Rel-16 CR 32.158 Clarify clause Design patterns for attribute and attribute field selection**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0038 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223150 Rel-17 CR 32.158 Clarify clause Design patterns for attribute and attribute field selection**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0039 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223151 Rel-16 CR 32.158 Clarify clause Design patterns for partially updating a resource**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0040 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223156 Rel-17 CR 32.158 Clarify clause Design patterns for partially updating a resource**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0041 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223157 Rel-16 CR 32.158 Clarify clause Design patterns for patching multiple resources**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0042 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223158 Rel-17 CR 32.158 Clarify clause Design patterns for patching multiple resources**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0043 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223159 Rel-16 CR 32.158 Add missing clause Large queries**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0044 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223160 Rel-17 CR 32.158 Add missing clause Large queries**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0045 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223161 Rel-16 CR 32.158 Correct examples in Annex A**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0046 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223162 Rel-17 CR 32.158 Correct examples in Annex A**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0047 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223163 Rel-16 CR 28.532 Correct REST SS of deleteMOI**

*Type: CR For: Approval  
 32.158 v16.5.0 CR-0048 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223164 Rel-17 CR 28.532 Correct REST SS of deleteMOI**

*Type: CR For: Approval  
 32.158 v17.0.0 CR-0049 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223167 Rel-16 CR 28.622 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 2)**

*Type: CR For: Approval  
 28.622 v16.11.0 CR-0153 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223168 Rel-17 CR 28.622 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 2)**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0154 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223169 Rel-16 CR 28.623 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 3)**

*Type: CR For: Approval  
 28.623 v16.10.0 CR-0167 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223170 Rel-17 CR 28.623 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 3)**

*Type: CR For: Approval  
 28.623 v17.1.0 CR-0168 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223171 Rel-16 CR 28.622 Clean up of attribute properties**

*Type: CR For: Approval  
 28.622 v16.11.0 CR-0155 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223172 Rel-17 CR 28.622 Clean up of attribute properties**

*Type: CR For: Approval  
 28.622 v17.1.1 CR-0156 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223173 Rel-17 CR 32.422 Add metric identifier for trace metrics**

*Type: CR For: Approval  
 32.422 v17.6.1 CR-0392 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-223656**.

**S5-223656 Rel-17 CR 32.422 Add metric identifier for trace metrics**

*Type: CR For: Approval  
 32.422 v17.6.1 CR-0392 rev 1 Cat: B (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223173)

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

**S5-223177 Rel-17 CR 28.552 Correct handover execution failure per beam pair measurement**

*Type: CR For: Approval  
 28.552 v17.6.0 CR-0366 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223178 Rel-16 CR 28.552 Clean up of PM related to MRO**

*Type: CR For: Approval  
 28.552 v16.13.0 CR-0367 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223179 Rel-17 CR 28.552 Clean up of PM related to MRO**

*Type: CR For: Approval  
 28.552 v17.6.0 CR-0368 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223188 Rel-16 CR 28.532 Correct REST SS of deleteMOI**

*Type: CR For: Approval  
 28.532 v16.10.0 CR-0199 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223189 Rel-17 CR 28.532 Correct REST SS of deleteMOI**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0200 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-223201 YANG Mapping Corrections**

*Type: CR For: Approval  
 32.160 v17.3.0 CR-0027 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-223202 Rel-18 CR 28.541 Access specific GST configuration**

*Type: CR For: Agreement  
 28.541 v17.6.0 CR-0711 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India*

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

**S5-223203 Rel-17 CR 28.552 Mean number of DRBs undergoing from User Plane Path Failures**

*Type: CR For: Agreement  
 28.552 v17.6.0 CR-0369 Cat: B (Rel-17)  
  
 Source: Samsung R&D Institute India*

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

**S5-223204 Rel-17 CR 28.538 Notifications**

*Type: CR For: Agreement  
 28.500 v17.0.0 CR-0007 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute India*

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

**S5-223205 Rel-17 CR 28.538 Notifications**

*Type: CR For: Agreement  
 28.538 v17.0.0 CR-0010 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute India*

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

**S5-223206 Rel-17 CR 28.538 Resolving ED**

*Type: CR For: Agreement  
 28.538 v17.0.0 CR-0011 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute India*

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

**S5-223207 Rel-17 CR 28.531 Deleting network slice capability exposure**

*Type: CR For: Agreement  
 28.531 v17.3.0 CR-0108 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute India*

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

**S5-223215 CR eCOSLA for TS 28.535**

*Type: CR For: Approval  
 28.535 v17.4.0 CR-0065 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223217 CR for TS 28.536**

*Type: CR For: Approval  
 28.536 v17.2.0 CR-0049 Cat: C (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223232 Rel-17 CR 28.541 Correction on two SLA attributes**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0715 Cat: F (Rel-17)  
  
 Source: Huawei*

**Abstract:**

Converted CR from DraftCR S5-222599 approved at SA5#142e

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

**S5-223249 Rel-17 CR 28.538 update description of ECM LCM**

*Type: CR For: Agreement  
 28.538 v17.0.0 CR-0012 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-223250 Rel-17 CR 28.538 update ECM NRM stage 2**

*Type: CR For: Agreement  
 28.538 v17.0.0 CR-0013 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-223251 Rel-17 CR 28.538 update ECM NRM stage 3**

*Type: CR For: Agreement  
 28.538 v17.0.0 CR-0014 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-223252 Rel-16 CR 28.554 update formula of of PDU session establishment success rate**

*Type: CR For: Agreement  
 28.554 v16.9.0 CR-0094 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-223253 Rel-17 CR 28.554 update formula of of PDU session establishment success rate**

*Type: CR For: Agreement  
 28.554 v17.6.0 CR-0095 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-223254 Rel-17 CR 28.538 correct EAS lifecycle management procedure**

*Type: CR For: Agreement  
 28.538 v17.0.0 CR-0015 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-223302 Rel-16 CR 28.541 Correction on minor errrors in nrNRM.yaml**

*Type: CR For: Agreement  
 28.541 v16.12.2 CR-0718 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-223303 Rel-17 CR 28.541 Correction on minor errrors in nrNRM.yaml**

*Type: CR For: Agreement  
 28.541 v17.6.0 CR-0719 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-223304 Rel-16 CR 28.541 Correcton on the attribute definition in the wrong yaml file**

*Type: CR For: Agreement  
 28.541 v16.12.2 CR-0720 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-223305 Rel-17 CR 28.541 Correcton on the attribute definition in the wrong yaml file**

*Type: CR For: Agreement  
 28.541 v17.6.0 CR-0721 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-223306 Rel-17 CR 28.532 Update provMnS yaml file to include the resources-intentNrm**

*Type: CR For: Agreement  
 28.532 v17.0.0 CR-0202 Cat: B (Rel-17)  
  
 Source: Huawei,Deutsche Telekom*

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

**S5-223307 Rel-17 CR 28.541 Add feasibility check NRM fragment**

*Type: CR For: Agreement  
 28.541 v17.6.0 CR-0722 Cat: B (Rel-17)  
  
 Source: Huawei,China Unicom, Deutsche Telekom,China Mobile, Samsung, Nokia, TELUS, KDDI,Ericsson*

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

**S5-223308 Rel-17 CR 28.531 Update procedure of reservation and checking feasibility of network slice subnet**

*Type: CR For: Agreement  
 28.531 v17.3.0 CR-0114 Cat: B (Rel-17)  
  
 Source: Huawei,China Unicom, Deutsche Telekom,China Mobile*

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

**S5-223483 CR Rel-17 28.552 Enhance UE Context Release measurements for MDA**

*Type: CR For: Agreement  
 28.552 v17.6.0 CR-0373 Cat: B (Rel-17)  
  
 Source: Intel*

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

**S5-223495 Rel-16 CR 28.532 Fix FileDataType (OpenAPI)**

*Type: CR For: Approval  
 28.532 v16.10.0 CR-0215 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-223496 Rel-17 CR 28.532 Fix FileDataType (OpenAPI)**

*Type: CR For: Approval  
 28.532 v17.0.0 CR-0216 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

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

**S5-223497 Rel-16 CR 28.541 Fix BWP association to NRCellDU**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0726 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-223498 Rel-17 CR 28.541 Fix BWP association to NRCellDU**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0727 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

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

**S5-223500 Rel-16 CR 28.541 Update 5QI set attribute definition**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0728 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-223501 Rel-17 CR 28.541 Update 5QI set description (YANG)**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0729 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

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

**S5-223502 Rel-16 CR 28.541 Update 5QI set description (YANG)**

*Type: CR For: Approval  
 28.541 v16.12.2 CR-0730 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-223503 Rel-17 CR 28.541 Update 5QI set attribute definition**

*Type: CR For: Approval  
 28.541 v17.6.0 CR-0731 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

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

## 7 Charging

### 7.1 Charging Plenary

**S5-223008 CH agenda and time plan**

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

**Decision:** The document was **revised to S5-223666**.

**S5-223666 CH agenda and time plan**

*Type: agenda For: -  
 Source: WG vice Chair (Matrixx)*

(Replaces S5-223008)

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

**S5-223009 Charging exec report**

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

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

**S5-223023 Reply LS on Traffic usage reporting on 5MBS service**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2203019*

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

**S5-223024 Reply LS on maximum number of MBS sessions that can be associated to a PDU session**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2203050*

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

### 7.2 New Charging Work Item proposals

### 7.3 Charging Maintenance and Rel-18 small Enhancements

**S5-223085 Rel-17 CR 32.291 Correcting response codes**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0388 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223086 Rel-17 CR 32.291 Correcting response code 3xx**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0370 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-221305)

**Decision:** The document was **revised to S5-223694**.

**S5-223694 Rel-17 CR 32.291 Correcting response code 3xx**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0370 rev 2 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-223086)

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

**S5-223087 Rel-17 CR 32.291 Correcting response code 5xx**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0372 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-221307)

**Decision:** The document was **revised to S5-223695**.

**S5-223695 Rel-17 CR 32.291 Correcting response code 5xx**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0372 rev 2 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-223087)

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

**S5-223088 Rel-17 CR 32.291 Correcting error handling**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0389 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223089 Rel-17 CR 32.255 Correcting charging termination flow at roaming**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0390 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223090 Rel-17 CR 32.256 Correcting support of charging scenarios for roaming**

*Type: CR For: Agreement  
 32.256 v17.0.0 CR-0007 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223091 Rel-17 CR 32.274 Correcting session and charging identifiers**

*Type: CR For: Agreement  
 32.274 v17.0.0 CR-0087 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223092 Rel-17 CR 32.255 Correcting usage of PDU session information**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0391 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223093 Rel-17 CR 32.291 Correcting usage of PDU session information**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0390 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223094 Rel-17 CR 32.254 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.254 v17.0.0 CR-0023 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223095 Rel-17 CR 32.291 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0391 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223096 Rel-17 CR 32.298 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.298 v17.2.0 CR-0896 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223097 Rel-17 CR 32.290 Correcting CHF detected failure handling**

*Type: CR For: Agreement  
 32.290 v17.4.0 CR-0182 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223707**.

**S5-223707 Rel-17 CR 32.290 Correcting CHF detected failure handling**

*Type: CR For: Agreement  
 32.290 v17.4.0 CR-0182 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-223097)

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

**S5-223098 Rel-17 CR 32.255 Correcting home routed CHF selection**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0392 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223698**.

**S5-223698 Rel-17 CR 32.255 Correcting home routed CHF selection**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0392 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-223098)

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

**S5-223099 Rel-17 CR 32.255 Correcting IMS handling**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0393 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223699**.

**S5-223699 Rel-17 CR 32.255 Correcting IMS handling**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0393 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-223099)

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

**S5-223100 Rel-17 CR 32.291 Missing IMS binding**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0392 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223682**.

**S5-223682 Rel-17 CR 32.291 Missing IMS binding**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0392 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-223100)

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

**S5-223101 Rel-17 CR 32.291 Correcting IMS called identity as array**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0393 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223102 Rel-17 CR 32.260 Correcting IMS charging information**

*Type: CR For: Agreement  
 32.260 v17.2.0 CR-0425 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223103 Rel-17 CR 32.298 Correcting IMS called identity as array**

*Type: CR For: Agreement  
 32.298 v17.2.0 CR-0897 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223187 Rel-17 CR 32.260 Supported fields in Charging Data Request message**

*Type: CR For: Agreement  
 32.260 v17.2.0 CR-0426 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **revised to S5-223687**.

**S5-223687 Rel-17 CR 32.260 Supported fields in Charging Data Request message**

*Type: CR For: Agreement  
 32.260 v17.2.0 CR-0426 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

(Replaces S5-223187)

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

**S5-223190 Rel-17 CR 32.291 RedirectAdresssType datatype missing**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0395 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **revised to S5-223690**.

**S5-223690 Rel-17 CR 32.291 RedirectAdresssType datatype missing**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0395 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

(Replaces S5-223190)

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

**S5-223191 Rel-17 CR 32.260 Final Unit Indication missing**

*Type: CR For: Agreement  
 32.260 v17.2.0 CR-0427 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **revised to S5-223688**.

**S5-223688 Rel-17 CR 32.260 Final Unit Indication missing**

*Type: CR For: Agreement  
 32.260 v17.2.0 CR-0427 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

(Replaces S5-223191)

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

**S5-223192 Rel-17 CR 32.291 Time Unit granularity missing**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0396 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-223193 Rel-17 CR 32.291 Tariff Change support**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0397 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-223276 Rel-16 CR 32.255 Correction on the Trigger Conditions**

*Type: CR For: Agreement  
 32.255 v16.11.0 CR-0396 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223685**.

**S5-223685 Rel-16 CR 32.255 Correction on the Trigger Conditions**

*Type: CR For: Agreement  
 32.255 v16.11.0 CR-0396 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-223276)

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

**S5-223277 Rel-17 CR 32.255 Correction on the Trigger Conditions**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0397 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223686**.

**S5-223686 Rel-17 CR 32.255 Correction on the Trigger Conditions**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0397 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-223277)

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

**S5-223278 Rel-16 CR 32.255 Correction on the Trigger type for QBC**

*Type: CR For: Agreement  
 32.255 v16.11.0 CR-0398 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223691**.

**S5-223691 Rel-16 CR 32.255 Correction on the Trigger type for QBC**

*Type: CR For: Agreement  
 32.255 v16.11.0 CR-0398 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-223278)

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

**S5-223279 Rel-17 CR 32.255 Correction on the Trigger type for QBC**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0399 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223692**.

**S5-223692 Rel-17 CR 32.255 Correction on the Trigger type for QBC**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0399 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-223279)

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

**S5-223280 Rel-17 CR 32.291 Correction on the QoS Monitoring Report**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0398 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223693**.

**S5-223693 Rel-17 CR 32.291 Correction on the QoS Monitoring Report**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0398 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-223280)

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

**S5-223281 Rel-16 CR 32.291 Correction on the Time attribute**

*Type: CR For: Agreement  
 32.291 v16.11.0 CR-0399 Cat: F (Rel-16)  
  
 Source: Huawei,Deutsche Telekom*

**Decision:** The document was **revised to S5-223723**.

**S5-223723 Rel-16 CR 32.291 Correction on the Time attribute**

*Type: CR For: Agreement  
 32.291 v16.11.0 CR-0399 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,Deutsche Telekom*

(Replaces S5-223281)

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

**S5-223282 Rel-17 CR 32.291 Correction on the Time attribute**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0400 Cat: A (Rel-17)  
  
 Source: Huawei,Deutsche Telekom*

**Decision:** The document was **revised to S5-223689**.

**S5-223689 Rel-17 CR 32.291 Correction on the Time attribute**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0400 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei,Deutsche Telekom*

(Replaces S5-223282)

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

**S5-223283 Rel-17 CR 32.255 Addition of the Start Time**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0400 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223701**.

**S5-223701 Rel-17 CR 32.255 Addition of the Start Time**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0400 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-223283)

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

**S5-223284 Rel-17 CR 32.291 Addition of the Start Time**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0401 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223703**.

**S5-223703 Rel-17 CR 32.291 Addition of the Start Time**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0401 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-223284)

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

**S5-223285 Rel-17 CR 32.298 Addition of the Start Time**

*Type: CR For: Agreement  
 32.298 v17.2.0 CR-0898 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223717**.

**S5-223717 Rel-17 CR 32.298 Addition of the Start Time**

*Type: CR For: Agreement  
 32.298 v17.2.0 CR-0898 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-223285)

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

**S5-223286 Rel-17 CR 32.255 Correction on the description for Interworking Charging**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0401 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-223296 Rel-16 CR 32.298 Correction on presence reporting area information**

*Type: CR For: Approval  
 32.298 v16.10.0 CR-0899 Cat: F (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

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

**S5-223297 Rel-17 CR 32.298 Correction on presence reporting area information**

*Type: CR For: Approval  
 32.298 v17.2.0 CR-0900 Cat: A (Rel-17)  
  
 Source: China Mobile E-Commerce Co.*

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

**S5-223724 Rel-17 CR 32.298 Correction on the QoS Monitoring Report**

*Type: CR For: Agreement  
 32.298 v17.2.0 CR-0904 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-223725 Rel-16 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v16.11.0 CR-0406 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-223726 Rel-17 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0407 Cat: F (Rel-17)  
  
 Source: Huawei*

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

### 7.4 Rel-17 Charging

#### 7.4.1 Charging aspects of Edge Computing

**S5-223457 pCR 32.257 Add charging information definition for EES exposed 5GC NF services**

*Type: pCR For: Approval  
 32.257 v1.1.0  
 Source: Intel*

**Decision:** The document was **revised to S5-223674**.

**S5-223674 pCR 32.257 Add charging information definition for EES exposed 5GC NF services**

*Type: pCR For: Approval  
 32.257 v1.1.0  
 Source: Intel*

(Replaces S5-223457)

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

**S5-223460 pCR 32.257 Rapporteur clean-up**

*Type: pCR For: Approval  
 32.257 v1.1.0  
 Source: Intel*

**Decision:** The document was **revised to S5-223673**.

**S5-223673 pCR 32.257 Rapporteur clean-up**

*Type: pCR For: Approval  
 32.257 v1.1.0  
 Source: Intel*

(Replaces S5-223460)

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

**S5-223462 CR 32.291 Update Nchf\_ConvergedCharging service API for Edge Computing**

*Type: CR For: Approval  
 32.291 v17.2.0 CR-0405 Cat: B (Rel-17)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-223675**.

**S5-223675 CR 32.291 Update Nchf\_ConvergedCharging service API for Edge Computing**

*Type: CR For: Approval  
 32.291 v17.2.0 CR-0405 rev 1 Cat: B (Rel-17)  
  
 Source: Intel*

(Replaces S5-223462)

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

**S5-223464 CR 32.298 Add Edge Computing related CHF CDR(s) definition and ASN.1 format**

*Type: CR For: Approval  
 32.298 v17.2.0 CR-0903 Cat: B (Rel-17)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-223672**.

**S5-223672 CR 32.298 Add Edge Computing related CHF CDR(s) definition and ASN.1 format**

*Type: CR For: Approval  
 32.298 v17.2.0 CR-0903 rev 1 Cat: B (Rel-17)  
  
 Source: Intel*

(Replaces S5-223464)

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

**S5-223465 CR 32.297 Add CDR file format for Edge Computing charging**

*Type: CR For: Approval  
 32.297 v17.0.0 CR-0039 Cat: B (Rel-17)  
  
 Source: Intel*

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

**S5-223468 Presentation of TS 32.257 for approval**

*Type: TS or TR cover For: Approval  
 32.257 v2.0.0  
 Source: Intel*

**Decision:** The document was **revised to S5-223684**.

**S5-223684 Presentation of TS 32.257 for approval**

*Type: TS or TR cover For: Approval  
 32.257 v2.0.0  
 Source: Intel*

(Replaces S5-223468)

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

**S5-223667 Draft TS 32.257**

*Type: draft TR For: Approval  
 32.257 v1.2.0  
 Source: intel*

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

#### 7.4.2 Charging aspects of Proximity-based Services in 5GS

**S5-223438 Rel-17 CR 32.291 Introduce OpenAPI extension for 5G ProSe charging**

*Type: CR For: Approval  
 32.291 v17.2.0 CR-0402 Cat: B (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **revised to S5-223676**.

**S5-223676 Rel-17 CR 32.291 Introduce OpenAPI extension for 5G ProSe charging**

*Type: CR For: Approval  
 32.291 v17.2.0 CR-0402 rev 1 Cat: B (Rel-17)  
  
 Source: CATT*

(Replaces S5-223438)

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

**S5-223439 Rel-17 CR 32.291 Introduce Binding for 5G Prose charging**

*Type: CR For: Approval  
 32.291 v17.2.0 CR-0403 Cat: B (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **revised to S5-223678**.

**S5-223678 Rel-17 CR 32.291 Introduce Binding for 5G Prose charging**

*Type: CR For: Approval  
 32.291 v17.2.0 CR-0403 rev 1 Cat: B (Rel-17)  
  
 Source: CATT*

(Replaces S5-223439)

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

**S5-223440 Rel-17 CR 32.291 Introduce Data Type for 5G ProSe charging**

*Type: CR For: Approval  
 32.291 v17.2.0 CR-0404 Cat: B (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **revised to S5-223679**.

**S5-223679 Rel-17 CR 32.291 Introduce Data Type for 5G ProSe charging**

*Type: CR For: Approval  
 32.291 v17.2.0 CR-0404 rev 1 Cat: B (Rel-17)  
  
 Source: CATT*

(Replaces S5-223440)

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

**S5-223441 Rel-17 CR 32.298 Introduce 5G ProSe charging information to CHF CDR**

*Type: CR For: Approval  
 32.298 v17.2.0 CR-0901 Cat: B (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **revised to S5-223680**.

**S5-223680 Rel-17 CR 32.298 Introduce 5G ProSe charging information to CHF CDR**

*Type: CR For: Approval  
 32.298 v17.2.0 CR-0901 rev 1 Cat: B (Rel-17)  
  
 Source: CATT*

(Replaces S5-223441)

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

**S5-223442 Rel-17 CR 32.298 Introduce 5G ProSe charging to CHF CDR**

*Type: CR For: Approval  
 32.298 v17.2.0 CR-0902 Cat: B (Rel-17)  
  
 Source: CATT*

**Decision:** The document was **revised to S5-223677**.

**S5-223677 Rel-17 CR 32.298 Introduce 5G ProSe charging to CHF CDR**

*Type: CR For: Approval  
 32.298 v17.2.0 CR-0902 rev 1 Cat: B (Rel-17)  
  
 Source: CATT*

(Replaces S5-223442)

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

#### 7.4.3 5G Charging for Local breakout roaming of data connectivity

**S5-223075 Discussion paper on FBC and QBC for LBO**

*Type: discussion For: Agreement  
 Source: MATRIXX Software*

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

**S5-223104 Rel-17 CR 32.255 QBC triggering for LBO**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0394 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223681**.

**S5-223681 Rel-17 CR 32.255 QBC triggering for LBO**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0394 rev 1 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-223104)

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

**S5-223105 Rel-17 CR 32.291 QBC triggering for LBO**

*Type: CR For: Agreement  
 32.291 v17.2.0 CR-0394 Cat: B (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-223209 Rel-17 CR 32.255 Additional charging principles for LBO\_was\_S5-222809**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0382 rev 2 Cat: B (Rel-17)  
  
 Source: Huawei, Ericsson, MATRIXX Software*

(Replaces S5-222809)

**Decision:** The document was **revised to S5-223683**.

**S5-223683 Rel-17 CR 32.255 Additional charging principles for LBO\_was\_S5-222809**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0382 rev 3 Cat: B (Rel-17)  
  
 Source: Huawei, Ericsson, MATRIXX Software*

(Replaces S5-223209)

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

**S5-223211 Rel-17 CR 32.255 Additional charging message flow for LBO\_was\_S5-222808**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0381 rev 2 Cat: B (Rel-17)  
  
 Source: Huawei, Ericsson, MATRIXX Software*

(Replaces S5-222808)

**Decision:** The document was **revised to S5-223722**.

**S5-223722 Rel-17 CR 32.255 Additional charging message flow for LBO\_was\_S5-222808**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0381 rev 3 Cat: B (Rel-17)  
  
 Source: Huawei, Ericsson, MATRIXX Software*

(Replaces S5-223211)

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

**S5-223214 Rel-17 CR 32.255 Introduction of possibility for Flow based charging in VPLMN for LBO**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0395 Cat: B (Rel-17)  
  
 Source: MATRIXX Software*

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

**S5-223287 Rel-17 CR 32.255 Additional charging message flow for MVNO**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0402 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223704**.

**S5-223704 Rel-17 CR 32.255 Additional charging message flow for MVNO**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0402 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-223287)

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

**S5-223288 Rel-17 CR 32.255 Additional charging principles for MVNO**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0403 Cat: B (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-223705**.

**S5-223705 Rel-17 CR 32.255 Additional charging principles for MVNO**

*Type: CR For: Agreement  
 32.255 v17.5.0 CR-0403 rev 1 Cat: B (Rel-17)  
  
 Source: Huawei*

(Replaces S5-223288)

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

#### 7.4.4 MMS Charging in 5G System Architecture

### 7.5 Charging studies

#### 7.5.1 Study on charging aspects for enhancements of Network Slicing Phase 2

**S5-223225 Rel-18 pCR 32.847 Add new solution for Key issue#8**

*Type: pCR For: Agreement  
 32.847 v1.2.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-223697**.

**S5-223697 Rel-18 pCR 32.847 Add new solution for Key issue#8**

*Type: pCR For: Agreement  
 32.847 v1.2.0  
 Source: MATRIXX Software*

(Replaces S5-223225)

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

**S5-223226 Rel-18 pCR 32.847 Add evaluation and conclusion for Key issue#8**

*Type: pCR For: Agreement  
 32.847 v1.2.0  
 Source: MATRIXX Software*

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

**S5-223227 Rel-18 pCR 32.847 Add NSACF based NS charging new solution for Key issue#6**

*Type: pCR For: Agreement  
 32.847 v1.2.0  
 Source: MATRIXX Software*

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

**S5-223228 Rel-18 pCR 32.847 Add NWDAF based NS charging new solution for Key issue#6**

*Type: pCR For: Agreement  
 32.847 v1.2.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-223696**.

**S5-223696 Rel-18 pCR 32.847 Add NWDAF based NS charging new solution for Key issue#6**

*Type: pCR For: Agreement  
 32.847 v1.2.0  
 Source: MATRIXX Software*

(Replaces S5-223228)

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

**S5-223289 Rel-18 pCR 32.847 Clarify the Evaluation for the key issue 7**

*Type: pCR For: Agreement  
 32.847 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-223711**.

**S5-223711 Rel-18 pCR 32.847 Clarify the Evaluation for the key issue 7**

*Type: pCR For: Agreement  
 32.847 v1.2.0  
 Source: Huawei*

(Replaces S5-223289)

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

**S5-223668 Draft TR 32.847**

*Type: draft TR For: discussion  
 32.847 v1.3.0  
 Source: MATRIXX*

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

#### 7.5.2 Study on Nchf charging services phase 2

**S5-223106 Rel-18 pCR 28.826 Adding service identifier based solution to clause 5.3**

*Type: pCR For: Approval  
 28.826 v0.4.0  
 Source: Ericsson LM*

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

**S5-223107 Rel-18 pCR 28.826 Correcting clause 5.5.5**

*Type: pCR For: Approval  
 28.826 v0.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223702**.

**S5-223702 Rel-18 pCR 28.826 Correcting clause 5.5.5**

*Type: pCR For: Approval  
 28.826 v0.4.0  
 Source: Ericsson LM*

(Replaces S5-223107)

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

**S5-223108 Rel-18 pCR 28.826 Adding new trigger category solution clause 5.1**

*Type: pCR For: Approval  
 28.826 v0.4.0  
 Source: Ericsson LM*

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

**S5-223109 Rel-18 pCR 28.826 Adding trigger solutions to clause 5.2**

*Type: pCR For: Approval  
 28.826 v0.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223700**.

**S5-223700 Rel-18 pCR 28.826 Adding trigger solutions to clause 5.2**

*Type: pCR For: Approval  
 28.826 v0.4.0  
 Source: Ericsson LM*

(Replaces S5-223109)

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

**S5-223197 Rel-17 pCR 28.826 ServiceID in Charging Data Request**

*Type: pCR For: Approval  
 28.826 v0.4.0  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **revised to S5-223716**.

**S5-223716 Rel-17 pCR 28.826 ServiceID in Charging Data Request**

*Type: pCR For: Approval  
 28.826 v0.4.0  
 Source: Nokia, Nokia Shangai Bell*

(Replaces S5-223197)

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

**S5-223290 Rel-18 pCR 28.826 Add the solution for CHF Rating**

*Type: pCR For: Agreement  
 28.826 v0.4.0  
 Source: Huawei*

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

**S5-223291 Rel-18 pCR 28.826 Addition of Threshold based re-authorization triggers optimization**

*Type: pCR For: Agreement  
 28.826 v0.4.0  
 Source: Huawei*

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

**S5-223669 Draft TR 28.826**

*Type: draft TR For: Approval  
 28.826 v0.5.0  
 Source: Ericsson*

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

#### 7.5.3 Study on 5G roaming charging architecture for wholesale and retail scenarios

**S5-223110 Rel-18 pCR 28.827 Correcting solution 1.3**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223715**.

**S5-223715 Rel-18 pCR 28.827 Correcting solution 1.3**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

(Replaces S5-223110)

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

**S5-223111 Rel-18 pCR 28.827 Solution for roaming charging profile**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

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

**S5-223112 Rel-18 pCR 28.827 Use case for 5G connection and mobility in clause 7.2**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

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

**S5-223113 Rel-18 pCR 28.827 Updating solution 2.1 with SMSF and AMF**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223713**.

**S5-223713 Rel-18 pCR 28.827 Updating solution 2.1 with SMSF and AMF**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

(Replaces S5-223113)

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

**S5-223114 Rel-18 pCR 28.827 Adding AMF solution to clause 7.2**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223712**.

**S5-223712 Rel-18 pCR 28.827 Adding AMF solution to clause 7.2**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

(Replaces S5-223114)

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

**S5-223115 Rel-18 pCR 28.827 Updating solution 2.2 with SMF**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

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

**S5-223116 Rel-18 pCR 28.827 Adding CHF to CHF solution to clause 7.4**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

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

**S5-223117 Rel-18 pCR 28.827 Updating solution 5.1**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

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

**S5-223118 Rel-18 pCR 28.827 Adding SMF to multiple CHF solution to clause 7.5**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223720**.

**S5-223720 Rel-18 pCR 28.827 Adding SMF to multiple CHF solution to clause 7.5**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

(Replaces S5-223118)

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

**S5-223119 Rel-18 pCR 28.827 Use case for 5G connection and mobility in clause 7.3**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223719**.

**S5-223719 Rel-18 pCR 28.827 Use case for 5G connection and mobility in clause 7.3**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

(Replaces S5-223119)

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

**S5-223120 Rel-18 pCR 28.827 Solution for issue 2c CHF selection**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223721**.

**S5-223721 Rel-18 pCR 28.827 Solution for issue 2c CHF selection**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

(Replaces S5-223120)

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

**S5-223121 Rel-18 pCR 28.827 Solution for issue 2d servce to use between CHFs**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

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

**S5-223122 Rel-18 pCR 28.827 Solution for issue 2e trigger handling between CHFs**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-223718**.

**S5-223718 Rel-18 pCR 28.827 Solution for issue 2e trigger handling between CHFs**

*Type: pCR For: Approval  
 28.827 v1.1.0  
 Source: Ericsson LM*

(Replaces S5-223122)

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

**S5-223292 Rel-18 pCR 28.827 Optimization on the QBC triggers**

*Type: pCR For: Agreement  
 28.827 v1.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-223714**.

**S5-223714 Rel-18 pCR 28.827 Optimization on the QBC triggers**

*Type: pCR For: Agreement  
 28.827 v1.1.0  
 Source: Huawei*

(Replaces S5-223292)

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

**S5-223670 Draft TR 28.827**

*Type: draft TR For: Approval  
 28.827 v1.2.0  
 Source: Ericsson*

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

#### 7.5.4 Study on Charging Aspects for Enhanced support of Non-Public Networks

**S5-223082 Rel-18 pCR 28.828 Introduction of general background**

*Type: pCR For: Approval  
 28.828 v0.1.0  
 Source: China Mobile*

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

**S5-223083 pCR 28.828 Introduction of non-public networks functionality and architecture**

*Type: pCR For: Approval  
 28.828 v0.1.0  
 Source: China Mobile*

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

**S5-223084 Rel-18 pCR 28.828 Introduction of charging modes**

*Type: pCR For: Approval  
 28.828 v0.1.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-223709**.

**S5-223709 Rel-18 pCR 28.828 Introduction of charging modes**

*Type: pCR For: Approval  
 28.828 v0.1.0  
 Source: China Mobile*

(Replaces S5-223084)

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

**S5-223135 Rel-18 pCR 28.828 Add charging scenarios and key issues for PNI-NPN on converged charging for access connection**

*Type: pCR For: Approval  
 28.828 v0.1.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-223710**.

**S5-223710 Rel-18 pCR 28.828 Add charging scenarios and key issues for PNI-NPN on converged charging for access connection**

*Type: pCR For: Approval  
 28.828 v0.1.0  
 Source: China Mobile*

(Replaces S5-223135)

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

**S5-223136 Rel-18 pCR 28.828 Add charging scenarios and key issues for SNPN on converged charging for access connection**

*Type: pCR For: Approval  
 28.828 v0.1.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-223708**.

**S5-223708 Rel-18 pCR 28.828 Add charging scenarios and key issues for SNPN on converged charging for access connection**

*Type: pCR For: Approval  
 28.828 v0.1.0  
 Source: China Mobile*

(Replaces S5-223136)

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

**S5-223293 Rel-18 pCR 28.828 Add the business roles for NPN**

*Type: pCR For: Agreement  
 28.828 v0.1.0  
 Source: Huawei*

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

**S5-223294 Rel-18 pCR 28.828 Add the use case for SNPN**

*Type: pCR For: Agreement  
 28.828 v0.1.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-223706**.

**S5-223706 Rel-18 pCR 28.828 Add the use case for SNPN**

*Type: pCR For: Agreement  
 28.828 v0.1.0  
 Source: Huawei*

(Replaces S5-223294)

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

**S5-223671 Draft TR 28.828**

*Type: draft TR For: Approval  
 28.828 v0.2.0  
 Source: China Mobile*

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

## 8 Any Other Business

## 9 Closing of the meeting

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S5-223000 | Agenda | WG Chair | approved |  |  |
| S5-223001 | Report from last SA5 meeting | MCC | approved |  |  |
| S5-223002 | e-meeting process | WG Chair | noted |  |  |
| S5-223003 | Post e-meeting email approval status | WG Chair | available |  |  |
| S5-223004 | OAM&P action list | WG Vice Chair (Huawei) | noted |  |  |
| S5-223005 | agenda\_with\_Tdocs\_sequence\_proposal\_OAM | WG Vice Chair (Huawei) | noted |  |  |
| S5-223006 | OAM Exec Report | WG Vice Chair (Huawei) | available |  |  |
| S5-223007 | OAM Chair notes and conclusions | WG Chair | noted |  |  |
| S5-223008 | CH agenda and time plan | WG vice Chair (Matrixx) | revised |  | S5-223666 |
| S5-223009 | Charging exec report | WG vice Chair (Matrixx) | noted |  |  |
| S5-223010 | SA5 working procedures | WG Chair | approved |  |  |
| S5-223011 | Process for management of draft TS-TRs | WG Chair | noted |  |  |
| S5-223012 | SA5 meeting calendar | WG CHair | revised |  | S5-223526 |
| S5-223013 | Collection of useful endorsed document and external communication documents | WG Vice Chair (Huawei) | noted |  |  |
| S5-223014 | Collection of Rel-18 3GPP SA5 OAM WoP | WG Vice Chair (Huawei) | noted |  |  |
| S5-223015 | Resubmitted Reply LS to SA5 on beam measurement reports | R3-221383 | replied to |  |  |
| S5-223016 | Resubmitted LS on configuration updates of MDT M1, M8 and M9 in RAN3 specifications | R3-221445 | replied to |  |  |
| S5-223017 | Resubmitted LS on RAN3 agreements for NR QoE | R3-222890 | postponed |  |  |
| S5-223018 | Resubmitted LS Reply on QoE configuration and reporting related issues | S4-220309 | replied to |  |  |
| S5-223019 | Resubmitted LS on TS 28.404/TS 28.405 Clarification | S4-211234 | replied to |  |  |
| S5-223020 | LS on Logical relationship between query parameters | C4-222302 | replied to |  |  |
| S5-223021 | Response to request for TM Forum AN Use Case material at Joint Workshop 23rd February 2022 and updated slides meeting 16th March 2022- LS22-0003 | TM Forum | noted |  |  |
| S5-223022 | Ls ccSA5 Request to clarify whether there are IPR issues with using 3GPP terminology and  information objects and names in code contributed to ONAP | ONAP | noted |  |  |
| S5-223023 | Reply LS on Traffic usage reporting on 5MBS service | S2-2203019 | noted |  |  |
| S5-223024 | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | S2-2203050 | withdrawn |  |  |
| S5-223025 | LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation | S6-220848 | postponed |  |  |
| S5-223026 | Reply LS to ETSI MEC ccSA5 on MEC Federation and interest to collaborate | S6-220931 | noted |  |  |
| S5-223027 | LS on network slice LCM consumption and use cases | S6-220932 | replied to |  |  |
| S5-223028 | Rel-17 CR 28.552 Correct implementation mistakes | Ericsson France S.A.S, Nokia | agreed | - |  |
| S5-223029 | Rel-17 CR 28.541 Correct maximumDeviationHoTrigger for D-LBO | Ericsson France S.A.S | agreed | - |  |
| S5-223030 | Rel-16 CR 28.623 Stage 3 Yang fix for 3GPP Common Trace | Nokia, Nokia Shanghai Bell, Ericsson | withdrawn |  |  |
| S5-223031 | Rel-16 CR 28.623 Stage 3 Yang fix for 3GPP Common Trace | Nokia, Nokia Shanghai Bell, Ericsson | agreed | - |  |
| S5-223032 | Rel 17 TS 28.623 Stage 3 Yang fix for 3GPP Common Trace | Nokia, Nokia Shanghai Bell, Ericsson | agreed |  |  |
| S5-223033 | Rel-16 CR 28.541 Diagram fix for NRM fragment for RRM policies | Nokia, Nokia Shanghai Bell | agreed | - |  |
| S5-223034 | Rel-17 TS 28.541 Diagram fix for NRM fragment for RRM policies | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223035 | Rel-16 Fixing OpenAPI Discoverability issue in CoslaNrm.yaml stage 3 | Nokia, Nokia Shangai Bell | agreed | - |  |
| S5-223036 | Rel-17 Fixing OpenAPI Discoverability issue in CoslaNrm.yaml stage 3 | Nokia, Nokia Shangai Bell | agreed |  |  |
| S5-223037 | Rel-17 Fixing OpenAPI Discoverability issue in EdgeNrm.yaml stage 3 | Nokia, Nokia Shangai Bell | agreed | - |  |
| S5-223038 | Rel-17 CR 28.538 Add the concept for edge computing management | Intel Korea, Ltd., Samsung | agreed |  |  |
| S5-223039 | Rel-17 CR 28.538 Add the missing procedure not implemented from approved pCR | Intel Korea, Ltd. | agreed |  |  |
| S5-223040 | Rel-17 CR 28.538 Add the terminologies for PLMN and ECSP management systems | Intel Korea, Ltd. | agreed |  |  |
| S5-223041 | Rel-17 CR 28.538 Add editorial changes | Intel Korea, Ltd. | not pursued |  |  |
| S5-223042 | Rel-16 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | agreed | - |  |
| S5-223043 | Rel-16 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-nrNrm.yaml | Nokia, Nokia Shanghai Bell | agreed | - |  |
| S5-223044 | Rel-16 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | agreed | - |  |
| S5-223045 | Rel-17 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223046 | Rel-17 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-nrNrm.yaml | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223047 | Rel-17 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223048 | Rel-16 TS 28.541 CT OpenAPI file relative-path URI references and dependence change for 5gcNrm.yaml | Nokia, Nokia Shanghai Bell | agreed | - |  |
| S5-223049 | Rel-17 TS 28.541 CT OpenAPI file relative-path URI references and dependence change for 5gcNrm.yaml | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223050 | TS 28.541 Fixing a few issues with attribute related to nextHopInfoList in EP\_transport | Nokia, Nokia Shanghai Bell, KDDI, TELUS, Juniper Networks | agreed | - |  |
| S5-223051 | Rel-17 CR TS 28.531 Update procedure of reservation and checking feasibility of network slice subnet | Nokia, Nokia Shanghai Bell, Huawei, China Unicom, Deutsche Telekom,China Mobile,Ericsson | agreed | - |  |
| S5-223052 | Rel-16 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | revised | S5-222581 | S5-223527 |
| S5-223053 | Rel-16 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml | Nokia, Nokia Shanghai Bell | revised | S5-222582 | S5-223528 |
| S5-223054 | Rel-16 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | revised | S5-222583 | S5-223529 |
| S5-223055 | Rel-17 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | revised |  | S5-223530 |
| S5-223056 | Rel-17 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml | Nokia, Nokia Shanghai Bell | revised |  | S5-223531 |
| S5-223057 | Rel-17 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | revised |  | S5-223532 |
| S5-223058 | Rel-16 TS 28.623 OpenAPI file name and dependence change-comDefs | Nokia, Nokia Shanghai Bell | revised | S5-222584 | S5-223533 |
| S5-223059 | Rel-16 TS 28.623 OpenAPI file name and dependence change-genericNrm | Nokia, Nokia Shanghai Bell | revised | S5-222585 | S5-223534 |
| S5-223060 | Rel-17 TS 28.623 OpenAPI file name and dependence change-comDefs | Nokia, Nokia Shanghai Bell | revised |  | S5-223535 |
| S5-223061 | Rel-17 TS 28.623 OpenAPI file name and dependence change-genericNrm | Nokia, Nokia Shanghai Bell | revised |  | S5-223536 |
| S5-223062 | Rel-16 CR TS 28.541 Correction to RRMPolicy\_ IOC reference in RRMPolicyRatio IOC | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223063 | Rel-17 CR TS 28.541 Correction to RRMPolicy\_ IOC reference in RRMPolicyRatio IOC | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223064 | Rel-16 CR TS 28.541 Add attribute properties for NetworkSliceSubnet attribute priorityLabel | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223065 | Rel-17 CR TS 28.541 Add attribute properties for NetworkSliceSubnet attribute priorityLabel | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223066 | Rel-17 CR TS 28.541 Fix to change Support Qualifier to S | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223067 | Rel-17 CR TS 28.541 Define LogicInterfaceInfo datatype and fix attribute properties for logicInterfaceInfo | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223068 | Rel-16 CR TS 28.536 OpenAPI file name and dependence change-coslaNrm | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223069 | Rel-17 CR TS 28.536 OpenAPI file name and dependence change-coslaNrm | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223070 | Rel-17 pCR TS 28.312 OpenAPI file name and dependence change-intentNrm | Nokia, Nokia Shanghai Bell | revised |  | S5-223628 |
| S5-223071 | Rel-18 pCR TS 28.312 OpenAPI file name and dependence change-intentNrm | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-223072 | Rel-17 CR TS 28.538 OpenAPI file name and dependence change-edgeNrm | Nokia, Nokia Shanghai Bell | revised |  | S5-223537 |
| S5-223073 | Rel-17 CR TS28541 Correction to property of EP\_Transport attribute ipAddress | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223074 | Rel-17 CR TS28531 Update procedure of reservation and checking feasibility of network slice | Nokia, Nokia Shanghai Bell | revised |  | S5-223653 |
| S5-223075 | Discussion paper on FBC and QBC for LBO | MATRIXX Software | noted |  |  |
| S5-223076 | Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC | Intel Korea, Ltd. | withdrawn |  |  |
| S5-223077 | Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC | Intel Korea, Ltd. | not pursued |  |  |
| S5-223078 | Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC | Intel Korea, Ltd. | not pursued |  |  |
| S5-223079 | Rel-18 CR 28.538 Revise EAS VNF instantiation procedure | Intel Korea, Ltd. | not pursued |  |  |
| S5-223080 | Rel-18 CR 28.538 Revise EAS VNF termination procedure | Intel Korea, Ltd. | not pursued |  |  |
| S5-223081 | Rel-18 CR 28.538 Add EAS VNF update procedure | Intel Korea, Ltd. | not pursued |  |  |
| S5-223082 | Rel-18 pCR 28.828 Introduction of general background | China Mobile | approved |  |  |
| S5-223083 | pCR 28.828 Introduction of non-public networks functionality and architecture | China Mobile | approved |  |  |
| S5-223084 | Rel-18 pCR 28.828 Introduction of charging modes | China Mobile | revised |  | S5-223709 |
| S5-223085 | Rel-17 CR 32.291 Correcting response codes | Ericsson LM | not pursued |  |  |
| S5-223086 | Rel-17 CR 32.291 Correcting response code 3xx | Ericsson LM | revised | S5-221305 | S5-223694 |
| S5-223087 | Rel-17 CR 32.291 Correcting response code 5xx | Ericsson LM | revised | S5-221307 | S5-223695 |
| S5-223088 | Rel-17 CR 32.291 Correcting error handling | Ericsson LM | agreed |  |  |
| S5-223089 | Rel-17 CR 32.255 Correcting charging termination flow at roaming | Ericsson LM | agreed |  |  |
| S5-223090 | Rel-17 CR 32.256 Correcting support of charging scenarios for roaming | Ericsson LM | not pursued |  |  |
| S5-223091 | Rel-17 CR 32.274 Correcting session and charging identifiers | Ericsson LM | not pursued |  |  |
| S5-223092 | Rel-17 CR 32.255 Correcting usage of PDU session information | Ericsson LM | agreed |  |  |
| S5-223093 | Rel-17 CR 32.291 Correcting usage of PDU session information | Ericsson LM | not pursued |  |  |
| S5-223094 | Rel-17 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | not pursued |  |  |
| S5-223095 | Rel-17 CR 32.291 Missing operation and identifier in NEF charging information | Ericsson LM | not pursued |  |  |
| S5-223096 | Rel-17 CR 32.298 Missing operation and identifier in NEF charging information | Ericsson LM | not pursued |  |  |
| S5-223097 | Rel-17 CR 32.290 Correcting CHF detected failure handling | Ericsson LM | revised |  | S5-223707 |
| S5-223098 | Rel-17 CR 32.255 Correcting home routed CHF selection | Ericsson LM | revised |  | S5-223698 |
| S5-223099 | Rel-17 CR 32.255 Correcting IMS handling | Ericsson LM | revised |  | S5-223699 |
| S5-223100 | Rel-17 CR 32.291 Missing IMS binding | Ericsson LM | revised |  | S5-223682 |
| S5-223101 | Rel-17 CR 32.291 Correcting IMS called identity as array | Ericsson LM | agreed |  |  |
| S5-223102 | Rel-17 CR 32.260 Correcting IMS charging information | Ericsson LM | agreed |  |  |
| S5-223103 | Rel-17 CR 32.298 Correcting IMS called identity as array | Ericsson LM | agreed |  |  |
| S5-223104 | Rel-17 CR 32.255 QBC triggering for LBO | Ericsson LM | revised |  | S5-223681 |
| S5-223105 | Rel-17 CR 32.291 QBC triggering for LBO | Ericsson LM | not pursued |  |  |
| S5-223106 | Rel-18 pCR 28.826 Adding service identifier based solution to clause 5.3 | Ericsson LM | merged |  | S5-223716 |
| S5-223107 | Rel-18 pCR 28.826 Correcting clause 5.5.5 | Ericsson LM | revised |  | S5-223702 |
| S5-223108 | Rel-18 pCR 28.826 Adding new trigger category solution clause 5.1 | Ericsson LM | noted |  |  |
| S5-223109 | Rel-18 pCR 28.826 Adding trigger solutions to clause 5.2 | Ericsson LM | revised |  | S5-223700 |
| S5-223110 | Rel-18 pCR 28.827 Correcting solution 1.3 | Ericsson LM | revised |  | S5-223715 |
| S5-223111 | Rel-18 pCR 28.827 Solution for roaming charging profile | Ericsson LM | noted |  |  |
| S5-223112 | Rel-18 pCR 28.827 Use case for 5G connection and mobility in clause 7.2 | Ericsson LM | approved |  |  |
| S5-223113 | Rel-18 pCR 28.827 Updating solution 2.1 with SMSF and AMF | Ericsson LM | revised |  | S5-223713 |
| S5-223114 | Rel-18 pCR 28.827 Adding AMF solution to clause 7.2 | Ericsson LM | revised |  | S5-223712 |
| S5-223115 | Rel-18 pCR 28.827 Updating solution 2.2 with SMF | Ericsson LM | approved |  |  |
| S5-223116 | Rel-18 pCR 28.827 Adding CHF to CHF solution to clause 7.4 | Ericsson LM | approved |  |  |
| S5-223117 | Rel-18 pCR 28.827 Updating solution 5.1 | Ericsson LM | approved |  |  |
| S5-223118 | Rel-18 pCR 28.827 Adding SMF to multiple CHF solution to clause 7.5 | Ericsson LM | revised |  | S5-223720 |
| S5-223119 | Rel-18 pCR 28.827 Use case for 5G connection and mobility in clause 7.3 | Ericsson LM | revised |  | S5-223719 |
| S5-223120 | Rel-18 pCR 28.827 Solution for issue 2c CHF selection | Ericsson LM | revised |  | S5-223721 |
| S5-223121 | Rel-18 pCR 28.827 Solution for issue 2d servce to use between CHFs | Ericsson LM | approved |  |  |
| S5-223122 | Rel-18 pCR 28.827 Solution for issue 2e trigger handling between CHFs | Ericsson LM | revised |  | S5-223718 |
| S5-223123 | Update to solution regarding CAPIF based management capability | Alibaba Group | revised |  | S5-223622 |
| S5-223124 | Rel-17 Correct the definition of DRB setup related counters | Nubia Technology Co.,Ltd | agreed |  |  |
| S5-223125 | yaml indentation correction for comDefs.yaml | Nokia, Nokia Shanghai Bell | revised |  | S5-223538 |
| S5-223126 | yaml indentation correction for comDefs.yam | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223127 | Rel-16 CR 32.158 Add definition of secondary resource | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223128 | Rel-17 CR 32.158 Add definition of secondary resource | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223129 | Rel-16 CR 32.158 Add definition of resource "/{MnSName}/{MnSVersion}" | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223130 | Rel-17 CR 32.158 Add definition of resource "/{MnSName}/{MnSVersion}" | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223131 | Removing recommendations options | Nokia Germany | noted |  |  |
| S5-223132 | Rel-16 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Producer | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223133 | Rel-17 CR for TS28.537 editorialCorrections | ZTE Corporation | revised |  | S5-223539 |
| S5-223134 | Rel-17 CR for TS28.552 editorialCorrections | ZTE Corporation | revised |  | S5-223540 |
| S5-223135 | Rel-18 pCR 28.828 Add charging scenarios and key issues for PNI-NPN on converged charging for access connection | China Mobile | revised |  | S5-223710 |
| S5-223136 | Rel-18 pCR 28.828 Add charging scenarios and key issues for SNPN on converged charging for access connection | China Mobile | revised |  | S5-223708 |
| S5-223137 | Rel-17 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Producer | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223138 | Rel-16 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Consumer | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223139 | Rel-17 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Consumer | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223140 | Rel-16 CR 32.158 Clarify clause Design pattern for updating a resource | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223141 | Rel-17 CR 32.158 Clarify clause Design pattern for updating a resource | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223142 | Rel-16 CR 32.158 Clarify clause Design pattern for deleting a resource | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223143 | Rel-17 CR 32.158 Clarify clause Design pattern for deleting a resource | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223144 | Rel-16 CR 32.158 Clarify clause Design pattern for subscribe/notify | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223145 | Rel-17 CR 32.158 Clarify clause Design pattern for subscribe/notify | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223146 | Rel-17 CR TS28541 Fixing attribute properties for ServiceProfile attribute networkSliceSharingIndicator | Nokia, Nokia Shanghai Bell | revised |  | S5-223541 |
| S5-223147 | Rel-16 CR 32.158 Clarify clause Design pattern for scoping and filtering | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223148 | Rel-17 CR 32.158 Clarify clause Design pattern for scoping and filtering | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223149 | Rel-16 CR 32.158 Clarify clause Design patterns for attribute and attribute field selection | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223150 | Rel-17 CR 32.158 Clarify clause Design patterns for attribute and attribute field selection | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223151 | Rel-16 CR 32.158 Clarify clause Design patterns for partially updating a resource | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223152 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | revised |  | S5-223542 |
| S5-223153 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | revised |  | S5-223543 |
| S5-223154 | Rel-17 Input to DraftCR 28.622 Enhancement and corrections for IOC "ManagementDataCollection" (stage 2) | Nokia, Nokia Shanghai Bell | revised |  | S5-223626 |
| S5-223155 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | revised |  | S5-223544 |
| S5-223156 | Rel-17 CR 32.158 Clarify clause Design patterns for partially updating a resource | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223157 | Rel-16 CR 32.158 Clarify clause Design patterns for patching multiple resources | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223158 | Rel-17 CR 32.158 Clarify clause Design patterns for patching multiple resources | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223159 | Rel-16 CR 32.158 Add missing clause Large queries | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223160 | Rel-17 CR 32.158 Add missing clause Large queries | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223161 | Rel-16 CR 32.158 Correct examples in Annex A | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223162 | Rel-17 CR 32.158 Correct examples in Annex A | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223163 | Rel-16 CR 28.532 Correct REST SS of deleteMOI | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-223164 | Rel-17 CR 28.532 Correct REST SS of deleteMOI | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-223165 | Rel-17 CR 28.622 Add missing definitions of common data types | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223166 | CR Rel-17 TS 32.592 Non-inclusive language correction | Nokia | agreed |  |  |
| S5-223167 | Rel-16 CR 28.622 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 2) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223168 | Rel-17 CR 28.622 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 2) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223169 | Rel-16 CR 28.623 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 3) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223170 | Rel-17 CR 28.623 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 3) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223171 | Rel-16 CR 28.622 Clean up of attribute properties | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223172 | Rel-17 CR 28.622 Clean up of attribute properties | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223173 | Rel-17 CR 32.422 Add metric identifier for trace metrics | Nokia, Nokia Shanghai Bell | revised |  | S5-223656 |
| S5-223174 | Rel-17 Input to draftCR 28.622 Add information about supported trace metrics (stage 2) | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-223175 | Rel-17 Input to draftCR 28.623 Add information about supported trace metrics (stage 3) | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-223176 | Rel-17 Input to draftCR 28.622 Reporting for IOC "ManagementDataCollection" (stage 2) | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-223177 | Rel-17 CR 28.552 Correct handover execution failure per beam pair measurement | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223178 | Rel-16 CR 28.552 Clean up of PM related to MRO | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223179 | Rel-17 CR 28.552 Clean up of PM related to MRO | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223180 | Rel-18 Input to draftCR 28.622 Add Scheduler IOC (stage 2) | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-223181 | Rel-18 Input to draftCR 28.623 Add Scheduler IOC (stage 3) | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-223182 | Rel-18 Input to draftCR 28.622 Enhance PerfMetricJob by scheduler (stage 2) | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-223183 | Rel-18 Input to draftCR 28.623 Enhance PerfMetricJob by scheduler (stage 3) | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-223184 | Rel-18 pCR 28.837 Gaps in Signalling Based Trace Activation | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-223185 | Discussion on reporting for IOC "ManagementDataCollection" | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-223186 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | revised |  | S5-223545 |
| S5-223187 | Rel-17 CR 32.260 Supported fields in Charging Data Request message | Nokia, Nokia Shangai Bell | revised |  | S5-223687 |
| S5-223188 | Rel-16 CR 28.532 Correct REST SS of deleteMOI | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223189 | Rel-17 CR 28.532 Correct REST SS of deleteMOI | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223190 | Rel-17 CR 32.291 RedirectAdresssType datatype missing | Nokia, Nokia Shangai Bell | revised |  | S5-223690 |
| S5-223191 | Rel-17 CR 32.260 Final Unit Indication missing | Nokia, Nokia Shangai Bell | revised |  | S5-223688 |
| S5-223192 | Rel-17 CR 32.291 Time Unit granularity missing | Nokia, Nokia Shangai Bell | withdrawn |  |  |
| S5-223193 | Rel-17 CR 32.291 Tariff Change support | Nokia, Nokia Shangai Bell | withdrawn |  |  |
| S5-223194 | Rel-17 CR 28.532 Align allowed file transfer protocols in stage 2 with stage 1 requirements | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223195 | Rel-16 CR 32.158 Clarify clause Design pattern for reading a resource | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223196 | Rel-17 CR 32.158 Clarify clause Design pattern for reading a resource | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223197 | Rel-17 pCR 28.826 ServiceID in Charging Data Request | Nokia, Nokia Shangai Bell | revised |  | S5-223716 |
| S5-223198 | Rel-18 CR 28.313 Correct non-inclusive language | Intel Korea, Ltd. | agreed |  |  |
| S5-223199 | Alarm Handling Clarifications | Ericsson Hungary Ltd | revised |  | S5-223548 |
| S5-223200 | Alarm Handling Clarifications | Ericsson Hungary Ltd | revised |  | S5-223549 |
| S5-223201 | YANG Mapping Corrections | Ericsson Hungary Ltd | agreed |  |  |
| S5-223202 | Rel-18 CR 28.541 Access specific GST configuration | Samsung R&D Institute India | agreed |  |  |
| S5-223203 | Rel-17 CR 28.552 Mean number of DRBs undergoing from User Plane Path Failures | Samsung R&D Institute India | agreed |  |  |
| S5-223204 | Rel-17 CR 28.538 Notifications | Samsung R&D Institute India | withdrawn |  |  |
| S5-223205 | Rel-17 CR 28.538 Notifications | Samsung R&D Institute India | agreed |  |  |
| S5-223206 | Rel-17 CR 28.538 Resolving ED | Samsung R&D Institute India | agreed |  |  |
| S5-223207 | Rel-17 CR 28.531 Deleting network slice capability exposure | Samsung R&D Institute India | agreed |  |  |
| S5-223208 | pCR 28.824 Solution for Network slice management capability exposure | Samsung R&D Institute India | revised |  | S5-223624 |
| S5-223209 | Rel-17 CR 32.255 Additional charging principles for LBO\_was\_S5-222809 | Huawei, Ericsson, MATRIXX Software | revised | S5-222809 | S5-223683 |
| S5-223210 | pCR 28.104 Handover Optimization | Samsung R&D Institute India | revised |  | S5-223748 |
| S5-223211 | Rel-17 CR 32.255 Additional charging message flow for LBO\_was\_S5-222808 | Huawei, Ericsson, MATRIXX Software | revised | S5-222808 | S5-223722 |
| S5-223212 | Rel-17 CR 28.531 Deleting service priority | Samsung R&D Institute India | not pursued |  |  |
| S5-223213 | Rel-17 CR 28.541 Network slice subnet provider capability IOC | Samsung R&D Institute India | revised |  | S5-223742 |
| S5-223214 | Rel-17 CR 32.255 Introduction of possibility for Flow based charging in VPLMN for LBO | MATRIXX Software | merged |  | S5-223681 |
| S5-223215 | CR eCOSLA for TS 28.535 | Ericsson LM | agreed |  |  |
| S5-223216 | Rel-17 CR 28.531 Network slice subnet capabilities | Samsung R&D Institute India | revised |  | S5-223743 |
| S5-223217 | CR for TS 28.536 | Ericsson LM | agreed |  |  |
| S5-223218 | Add asynchronous network slicing provisioning procedures | Ericsson LM, Deutsche Telekom | not pursued |  |  |
| S5-223219 | Rel-17 Work Item Exception for eNETSLICE\_PRO | Samsung R&D Institute India | noted |  |  |
| S5-223220 | Add Job IOCs for asynchronous network slicing provisioning procedures | Ericsson LM, Deutsche Telekom | not pursued |  |  |
| S5-223221 | Specify network slicing provisioning rules requirements | Ericsson LM, Deutsche Telekom | not pursued |  |  |
| S5-223222 | Add network slice rules to NRM | Ericsson LM, Deutsche Telekom | not pursued |  |  |
| S5-223223 | Presentation of Specification TS 28.538 (Edge Computing Management) | Samsung R&D Institute India | noted |  |  |
| S5-223224 | Rel-18 InputToDraftCR 28.538 EESFunction IOC Stage 3 | Samsung R&D Institute India | merged |  | S5-223564 |
| S5-223225 | Rel-18 pCR 32.847 Add new solution for Key issue#8 | MATRIXX Software | revised |  | S5-223697 |
| S5-223226 | Rel-18 pCR 32.847 Add evaluation and conclusion for Key issue#8 | MATRIXX Software | approved |  |  |
| S5-223227 | Rel-18 pCR 32.847 Add NSACF based NS charging new solution for Key issue#6 | MATRIXX Software | approved |  |  |
| S5-223228 | Rel-18 pCR 32.847 Add NWDAF based NS charging new solution for Key issue#6 | MATRIXX Software | revised |  | S5-223696 |
| S5-223229 | Add procedure for consumption of exposed MnS after service order is completed | Ericsson LM, Deutsche Telekom | revised |  | S5-223625 |
| S5-223230 | Make descriptions in issues and gaps more uniform | Ericsson LM | revised |  | S5-223620 |
| S5-223231 | Discussion paper on filtering, enrichment and converting of management information | Ericsson LM, Deutsche Telekom | revised |  | S5-223744 |
| S5-223232 | Rel-17 CR 28.541 Correction on two SLA attributes | Huawei | agreed |  |  |
| S5-223233 | Rel-17 CR 28.541 Correction on attribute latency of SubnetProfiles | Huawei | agreed |  |  |
| S5-223234 | pCR 28.907 Key Issue on SLA monitoring and evaluation | Huawei | revised |  | S5-223609 |
| S5-223235 | pCR 28.907 Potential solution for KI#1 | Huawei | revised |  | S5-223610 |
| S5-223236 | pCR 28.907 Potential solution for KI#2 | Huawei | revised |  | S5-223608 |
| S5-223237 | pCR 28.824 Add new requirements related to exposure interface via OSS | Huawei, Deutsche Telekom | noted |  |  |
| S5-223238 | pCR 28.824 Update use case exposure of network slice as a service | Huawei, Deutsche Telekom | noted |  |  |
| S5-223239 | R17 Add disable list for a specific DN attribute of ACCL NRM | Lenovo, Ericsson | revised |  | S5-223634 |
| S5-223240 | New R18 SID on MP-CP Conflict management and coordination | Lenovo | revised |  | S5-223584 |
| S5-223241 | pCR 28.824 Add note on possible charging impact | Lenovo Information Technology | revised |  | S5-223623 |
| S5-223242 | Update position and add solution for direct MnS exposure | Lenovo Information Technology | revised |  | S5-223621 |
| S5-223243 | Rel-17 CR 28.531 adding procedure network service priority management | Huawei | revised |  | S5-223654 |
| S5-223244 | Rel-17 CR 28.623 Fix description of attribute mnsScope | Huawei | agreed |  |  |
| S5-223245 | Rel-16 CR 32.422 adding missing signaling and interface related to SMF for trace | Huawei | revised |  | S5-223550 |
| S5-223246 | Rel-17 CR 32.422 adding missing signaling and interface related to SMF for trace | Huawei | revised |  | S5-223551 |
| S5-223247 | Rel-16 CR 32.423 adding missing interface related to SMF for trace | Huawei | revised |  | S5-223552 |
| S5-223248 | Rel-17 CR 32.423 adding missing interface related to SMF for trace | Huawei | revised |  | S5-223553 |
| S5-223249 | Rel-17 CR 28.538 update description of ECM LCM | Huawei | agreed |  |  |
| S5-223250 | Rel-17 CR 28.538 update ECM NRM stage 2 | Huawei | agreed |  |  |
| S5-223251 | Rel-17 CR 28.538 update ECM NRM stage 3 | Huawei | agreed |  |  |
| S5-223252 | Rel-16 CR 28.554 update formula of of PDU session establishment success rate | Huawei | agreed |  |  |
| S5-223253 | Rel-17 CR 28.554 update formula of of PDU session establishment success rate | Huawei | agreed |  |  |
| S5-223254 | Rel-17 CR 28.538 correct EAS lifecycle management procedure | Huawei | agreed |  |  |
| S5-223255 | pCR 28.910 Add key issue for autonomous network level for 5GC NF deployment | Huawei | revised |  | S5-223566 |
| S5-223256 | pCR 28.910 Add key issue for autonomous network level for 5GC network disaster recovery | Huawei | noted |  |  |
| S5-223257 | pCR TR 28.912 add key issues for 5GC intent expectation | Huawei | revised |  | S5-223568 |
| S5-223258 | pCR 28.836 Add concept of service profile and slice profile | Huawei | revised |  | S5-223572 |
| S5-223259 | pCR 28.836 Add use case of network slicing allocation | Huawei | revised |  | S5-223573 |
| S5-223260 | pCR 28.836 Add key issue of network slice life cycle management | Huawei | revised |  | S5-223574 |
| S5-223261 | pCR 28.836 Add key issue of network slice service assurance | Huawei | revised |  | S5-223575 |
| S5-223262 | pCR 28.819 Add process for multiple vendor case | Huawei | revised |  | S5-223605 |
| S5-223263 | pCR 28.819 Add description of deployment options | Huawei | revised |  | S5-223606 |
| S5-223264 | pCR 28.819 Update text for editorial issues | Huawei | revised |  | S5-223607 |
| S5-223265 | pCR 28.819 Update text for vendor feedback use case | Huawei | approved |  |  |
| S5-223266 | pCR 28.824 Add scenario of management exposure | China Southern Power Grid, Huawei | noted |  |  |
| S5-223267 | pCR 28.903 background information for ETSI MEC | Huawei | approved |  |  |
| S5-223268 | pCR 28.903 adding key issue for package management | Huawei | noted |  |  |
| S5-223269 | pCR 28.903 adding key issue for EAS LCM management | Huawei | noted |  |  |
| S5-223270 | pCR TS 28.104 Add Alarm analytics solution-stage 2 | Huawei | noted |  |  |
| S5-223271 | pCR TS 28.104 update EsRecommendationsOnUPF and EsRecommendationsOnNRcell | Huawei | revised |  | S5-223635 |
| S5-223272 | pCR TS 28.104 update TrafficProjections data type | Huawei | revised |  | S5-223640 |
| S5-223273 | pCR 28.104 Add clause for energy saving analysis | Huawei | revised |  | S5-223636 |
| S5-223274 | pCR 28.104 Editorial improvement | Huawei | revised |  | S5-223637 |
| S5-223275 | pCR 28.104 Rename tables for failure prediction analysis | Huawei | noted |  |  |
| S5-223276 | Rel-16 CR 32.255 Correction on the Trigger Conditions | Huawei | revised |  | S5-223685 |
| S5-223277 | Rel-17 CR 32.255 Correction on the Trigger Conditions | Huawei | revised |  | S5-223686 |
| S5-223278 | Rel-16 CR 32.255 Correction on the Trigger type for QBC | Huawei | revised |  | S5-223691 |
| S5-223279 | Rel-17 CR 32.255 Correction on the Trigger type for QBC | Huawei | revised |  | S5-223692 |
| S5-223280 | Rel-17 CR 32.291 Correction on the QoS Monitoring Report | Huawei | revised |  | S5-223693 |
| S5-223281 | Rel-16 CR 32.291 Correction on the Time attribute | Huawei,Deutsche Telekom | revised |  | S5-223723 |
| S5-223282 | Rel-17 CR 32.291 Correction on the Time attribute | Huawei,Deutsche Telekom | revised |  | S5-223689 |
| S5-223283 | Rel-17 CR 32.255 Addition of the Start Time | Huawei | revised |  | S5-223701 |
| S5-223284 | Rel-17 CR 32.291 Addition of the Start Time | Huawei | revised |  | S5-223703 |
| S5-223285 | Rel-17 CR 32.298 Addition of the Start Time | Huawei | revised |  | S5-223717 |
| S5-223286 | Rel-17 CR 32.255 Correction on the description for Interworking Charging | Huawei | agreed |  |  |
| S5-223287 | Rel-17 CR 32.255 Additional charging message flow for MVNO | Huawei | revised |  | S5-223704 |
| S5-223288 | Rel-17 CR 32.255 Additional charging principles for MVNO | Huawei | revised |  | S5-223705 |
| S5-223289 | Rel-18 pCR 32.847 Clarify the Evaluation for the key issue 7 | Huawei | revised |  | S5-223711 |
| S5-223290 | Rel-18 pCR 28.826 Add the solution for CHF Rating | Huawei | noted |  |  |
| S5-223291 | Rel-18 pCR 28.826 Addition of Threshold based re-authorization triggers optimization | Huawei | noted |  |  |
| S5-223292 | Rel-18 pCR 28.827 Optimization on the QBC triggers | Huawei | revised |  | S5-223714 |
| S5-223293 | Rel-18 pCR 28.828 Add the business roles for NPN | Huawei | merged |  | S5-223709 |
| S5-223294 | Rel-18 pCR 28.828 Add the use case for SNPN | Huawei | revised |  | S5-223706 |
| S5-223295 | Rel-18 network slice isolation | Nokia, Nokia Shanghai Bell, Huawei | not pursued |  |  |
| S5-223296 | Rel-16 CR 32.298 Correction on presence reporting area information | China Mobile E-Commerce Co. | agreed |  |  |
| S5-223297 | Rel-17 CR 32.298 Correction on presence reporting area information | China Mobile E-Commerce Co. | agreed |  |  |
| S5-223298 | Rel-18 SID on Closed control loop governance for autonomous network | ZTE Corporation, China Telecom | revised |  | S5-223585 |
| S5-223299 | Rel-17 CR for TS28.552 Change the measurement object class to support MOCN network sharing with multiple Cell Identity broadcast scenarios | ZTE Corporation | not pursued |  |  |
| S5-223300 | Rel-17 CR for TS28.552 Add the measurement object class to support MOCN network sharing with multiple Cell Identity broadcast scenarios | ZTE Corporation | not pursued |  |  |
| S5-223301 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions | ZTE Corporation | not pursued |  |  |
| S5-223302 | Rel-16 CR 28.541 Correction on minor errrors in nrNRM.yaml | Huawei | agreed |  |  |
| S5-223303 | Rel-17 CR 28.541 Correction on minor errrors in nrNRM.yaml | Huawei | agreed |  |  |
| S5-223304 | Rel-16 CR 28.541 Correcton on the attribute definition in the wrong yaml file | Huawei | agreed |  |  |
| S5-223305 | Rel-17 CR 28.541 Correcton on the attribute definition in the wrong yaml file | Huawei | agreed |  |  |
| S5-223306 | Rel-17 CR 28.532 Update provMnS yaml file to include the resources-intentNrm | Huawei,Deutsche Telekom | agreed |  |  |
| S5-223307 | Rel-17 CR 28.541 Add feasibility check NRM fragment | Huawei,China Unicom, Deutsche Telekom,China Mobile, Samsung, Nokia, TELUS, KDDI,Ericsson | agreed |  |  |
| S5-223308 | Rel-17 CR 28.531 Update procedure of reservation and checking feasibility of network slice subnet | Huawei,China Unicom, Deutsche Telekom,China Mobile | agreed |  |  |
| S5-223309 | Rel-17 CR TS 28.541 Address the unnecessary reference for the yaml file | Huawei | agreed |  |  |
| S5-223310 | Rel-16 CR 28.536 Minor correction on the format for cosla yaml file | Huawei | agreed |  |  |
| S5-223311 | Rel-17 CR 28.536 Minor correction on the format for cosla yaml file | Huawei | agreed |  |  |
| S5-223312 | Rel-16 CR 28.532 OpenAPI file name and dependence change- part1 | Huawei | agreed |  |  |
| S5-223313 | Rel-16 CR 28.532 OpenAPI file name and dependence change- part2 | Huawei | agreed |  |  |
| S5-223314 | Rel-16 CR 28.550 OpenAPI file name and dependence change | Huawei | agreed |  |  |
| S5-223315 | Rel-17 CR 28.532 OpenAPI file name and dependence change- part1 | Huawei | agreed |  |  |
| S5-223316 | Rel-17 CR 28.532 OpenAPI file name and dependence change- part2 | Huawei | agreed |  |  |
| S5-223317 | Rel-17 CR 28.550 OpenAPI file name and dependence change | Huawei | agreed |  |  |
| S5-223318 | pCR 28.910 Add introduction on relevant SI/WI in 3GPP | China Mobile, Huawei | noted |  |  |
| S5-223319 | pCR 28.909 Add key issue of dimensions for autonomous network levels | China Mobile, Huawei | noted |  |  |
| S5-223320 | pCR TR 28.909 Add key issues of generic methodology for autonomous network levels evaluation | China Mobile, Huawei | noted |  |  |
| S5-223321 | pCR 28.312 Update description of value DEGRADED in clause 6.2.1.3.6 | China Mobile, Huawei, Nokia | revised |  | S5-223629 |
| S5-223322 | pCR TR 28.910 Update the key issue of autonomous network level for RAN energy saving scenario | Huawei, AsiaInfo, China Mobile | revised |  | S5-223567 |
| S5-223323 | pCR TR 28.910 Add key issues for enhancement of ANL for network optimization | Huawei,China Mobile | revised |  | S5-223565 |
| S5-223324 | pCR TR 28.909 Add key issues for KEI and process of autonomous network levels evaluation for network optimization | Huawei,China Mobile | noted |  |  |
| S5-223325 | pCR TS 28.909 Add general process of evaluating the autonomous network level | Huawei,China Mobile | noted |  |  |
| S5-223326 | pCR TR 28.912 add key issue for missing solution for radio service intent expectation | Huawei,Deutsche Telekom | revised |  | S5-223570 |
| S5-223327 | pCR TR 28.912 add key issue for enhancement of radio network intent expectation | Huawei,Deutsche Telekom | revised |  | S5-223571 |
| S5-223328 | pCR TR 28.912 Add potential solutions for RAN energy saving to clause 4.1.2 | Huawei | revised |  | S5-223569 |
| S5-223329 | pCR TS 28.312 Rapporteur clean up | Huawei | revised |  | S5-223630 |
| S5-223330 | pCR TS 28.312 Rapporteur final udpate on stage3 | Huawei, Deutsche Telekom | approved |  |  |
| S5-223331 | Rel-17 TS 28.658 Non-inclusive language correction | HuaWei Technologies Co., Ltd | agreed |  |  |
| S5-223332 | CR Rel-17 TS 28.659 Non-inclusive language correction | HuaWei Technologies Co., Ltd | agreed |  |  |
| S5-223333 | pCR TR 28.925 Add issue on illustration of using MnS in management reference model in TS 32.101 | HuaWei Technologies Co., Ltd | revised |  | S5-223579 |
| S5-223334 | pCR TR 28.925 Add issue on analysis on IRP specifications needs to support SBMA | HuaWei Technologies Co., Ltd | revised |  | S5-223581 |
| S5-223335 | add Service Support Expectation in clause 7.2.2 stage3 | AsiaInfo, Huawei | revised |  | S5-223633 |
| S5-223336 | update the stage 2 of Service Support Expectation | AsiaInfo,Huawei | approved |  |  |
| S5-223337 | pCR 28.909 Add new Key Issue determine evaluated object of autonomous | AsiaInfo Technologies Inc | noted |  |  |
| S5-223338 | Rel-18 InputTodraftCR 28.538 EASFunction IOC | AsiaInfo Technologies Inc | withdrawn |  |  |
| S5-223339 | pCR TR 28.833 Change TR structure | China Mobile E-Commerce Co. | revised |  | S5-223594 |
| S5-223340 | Add use case1 for 5G VN group data management of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | revised |  | S5-223595 |
| S5-223341 | Add use case2 for PDU Session management of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | revised |  | S5-223596 |
| S5-223342 | Add use case3 for user plane handing of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | revised |  | S5-223597 |
| S5-223343 | Add use case4 for 5G VN performance measurement management of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | revised |  | S5-223598 |
| S5-223344 | Add use case5 for 5G VN group end-to-end network KPIS management of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | revised |  | S5-223599 |
| S5-223345 | PM-based and KPI-based analytics outputs | Nokia Germany | noted |  |  |
| S5-223346 | Adding MDA output IOC | Nokia Germany | revised |  | S5-223641 |
| S5-223347 | pCR 28.908 Add use case on AI/ML model performance | China Mobile E-Commerce Co. | revised |  | S5-223576 |
| S5-223348 | New SID on Data Collection for Digital Twin in Network Management System | China Mobile E-Commerce Co. | noted |  |  |
| S5-223349 | Stage 2 solution for paging analytics use case | Nokia, Nokia Shangai Bell, Samsung | revised |  | S5-223750 |
| S5-223350 | Update the paging use case description to indicate the geographical area-based and group of users based analytics | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-223351 | Discussion on Data Collection for Digital Twin in Network Management System | China Mobile E-Commerce Co. | noted |  |  |
| S5-223352 | Add Concepts and overview | China Unicom | revised |  | S5-223602 |
| S5-223353 | Add key issue management requirement between MOP-NM and MOP-SR-DM | China Unicom | revised |  | S5-223603 |
| S5-223354 | TR 28.834 Initial Skeleton v0.0.0 | China Mobile Com. Corporation | approved |  |  |
| S5-223355 | pCR 28.834 Add TR structure | China Mobile Com. Corporation | revised |  | S5-223600 |
| S5-223356 | pCR 28.834 Add scope | China Mobile Com. Corporation | revised |  | S5-223601 |
| S5-223357 | Rel-16 CR 28.532 Correct definition of Resource | Nokia, Nokia Shanghai Bell | revised |  | S5-223554 |
| S5-223358 | Rel-17 CR 28.532 Correct definition of Resource | Nokia, Nokia Shanghai Bell | revised |  | S5-223555 |
| S5-223359 | Rel-17 CR 28.532 Correct notifyMOIChanges (stage 2) | Nokia, Nokia Shanghai Bell | revised |  | S5-223556 |
| S5-223360 | Rel-17 CR 28.532 Correct notifyMOIChanges (REST SS) | Nokia, Nokia Shanghai Bell | revised |  | S5-223557 |
| S5-223361 | pCR 28.317 Add Concept | China Mobile, Huawei | noted |  |  |
| S5-223362 | Rel-17 CR 28.532 Correct notifyMOIChanges (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | revised |  | S5-223558 |
| S5-223363 | Add key issue service-based management architecture for MOCN | China Unicom | revised |  | S5-223604 |
| S5-223364 | pCR 28.317 Usecase and requirement for ARCF data handling | China Mobile, Huawei | noted |  |  |
| S5-223365 | Add potential solution for performance measurements without PLMN ID at NRcellCU | China Unicom | noted |  |  |
| S5-223366 | Rel-17 CR 28.532 Add alarm prediction solution (stage 2) | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223367 | Add candidates for study of feature management | China Unicom | approved |  |  |
| S5-223368 | Add Key Issue on the Performance measurements related to URLLC | China Unicom | revised |  | S5-223593 |
| S5-223369 | CR Rel-17 TS 32.406 Non-inclusive language correction | China Mobile | agreed |  |  |
| S5-223370 | Rel-17 CR 28.532 Add alarm prediction solution (REST SS, OpenAPI definition) | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-223371 | Remove Editor's Note in clause 4.2.5.3 | Ericsson LM, Verizon | agreed |  |  |
| S5-223372 | Rel-18 InputTodraftCR 28.538 EASFunction IOC | AsiaInfo Technologies Inc | revised |  | S5-223564 |
| S5-223373 | Rel-18 pCR 28.831 Improve description of current situation for key issue 2 (Targeted notification subscription) | Nokia, Nokia Shanghai Bell | revised |  | S5-223582 |
| S5-223374 | Rel-18 pCR 28.831 Improve analysis and potential requirements for key issue 2 (Targeted notification subscription) | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-223375 | Correct attribute properties in assuranceTargetList | Ericsson LM | agreed |  |  |
| S5-223376 | Rel-18 pCR 28.831 Add potential solution for key issue 2 (Targeted notification subscription) | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-223377 | Correct attribute properties in assuranceTargetList | Ericsson LM | agreed |  |  |
| S5-223378 | pCR 28.824 add procedure of MnS exposure via CAPIF | AsiaInfo | noted |  |  |
| S5-223379 | Rel-17 pCR 28.104 Add MDA capability for handover optimization | Huawei | noted |  |  |
| S5-223380 | Rel-17 pCR TS 28.105 Add AIML training attribute in case of AIML training initiated by producer | Huawei | revised |  | S5-223646 |
| S5-223381 | Rel-17 pCR TS 28.104 add MDA analysis request and report generic workflow | Huawei | revised |  | S5-223649 |
| S5-223382 | Rel-17 pCR TS 28.105 Update the definition of performanceScore | Huawei | revised |  | S5-223745 |
| S5-223383 | Rel-17 pCR TS 28.105 Correct the attribute definitions of NRMs for AI-ML model training | Huawei | approved |  |  |
| S5-223384 | Rel-18 pCR TR 28.908 Add AIML training workflow and deployment scenarios for AI-ML | Huawei | noted |  |  |
| S5-223385 | Rel-18 pCR TR 28.908 Add Key Issue of AIML management for model deployment | Huawei | noted |  |  |
| S5-223386 | Living document for stage 2-3 alignment | WG chair | noted |  |  |
| S5-223387 | pCR TR 28.829 Business use case - Energy outage coordination | Samsung, EUTC, BMWK, Vodafone | revised |  | S5-223613 |
| S5-223388 | Data change notifications YANG-in-Rest format | Ericsson Hungary Ltd | revised |  | S5-223559 |
| S5-223389 | pCR TR 28.829 Business use case - Utility provides performance and failure info | Samsung, EUTC, BMWK, Vodafone | revised |  | S5-223612 |
| S5-223390 | pCR TR 28.829 Business use case - MNO provides performance info | Samsung, EUTC, BMWK, Vodafone | revised |  | S5-223611 |
| S5-223391 | Application Enablement Standards in SA6 | Samsung | noted |  |  |
| S5-223392 | pCR 28.819 Proposed overall process | China Mobile Com. Corporation, Lenovo, Motorola Mobility | noted |  |  |
| S5-223393 | CR Rel-17 TS 32.452 Non-inclusive language correction | China Mobile E-Commerce Co. | revised |  | S5-223547 |
| S5-223394 | Add requirements for handling erroneous data & decisions | Nokia Italy | revised |  | S5-223652 |
| S5-223395 | Add requirements for pre-processed event data for ML training | Nokia Italy | noted |  |  |
| S5-223396 | Add requirements for sandboxing ML solutions | Nokia Italy | noted |  |  |
| S5-223397 | MDA output for proactive coverage analytics | Nokia Italy | revised |  | S5-223645 |
| S5-223398 | pCR TR 28.830 Add framework of FSEV | Huawei, CMCC | noted |  |  |
| S5-223399 | Rel-17 TS28.532 enhance OpenAPI to support access control | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223400 | Rel-17 TS28.622 enhance NRM to support access control | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223401 | Rel-17 TS28.623 enhance NRM to support access control Stage 3 | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223402 | Rel-17 TS28.533 enhancement to support access control | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223403 | Rel-18 pCR 28.837 Reporting of Collected Management Data | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-223404 | Rel-18 pCR 28.837 Name Containment in case of Handover for Signalling Based Trace Activation | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-223405 | Rel-15 CR 28.622 Clarification for IRP and SBMA framework | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223406 | Rel-16 CR 28.622 Clarification for IRP and SBMA framework | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223407 | Rel-17 CR 28.622 Clarification for IRP and SBMA framework | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223408 | pCR 28.864 New KI about performance metrics of NWDAF on data collection aspect | China Telecom Corporation Ltd. | revised |  | S5-223587 |
| S5-223409 | New WID on continuous integration continuous delivery support for 3GPP NFs | Lenovo | noted |  |  |
| S5-223410 | enhance MDA information model | Nokia Italy | noted |  |  |
| S5-223411 | pCR TR 28.830 Add background | China Mobile, Huawei | noted |  |  |
| S5-223412 | pCR TR 28.830 Add relation description with existing MnS | China Mobile, Huawei | noted |  |  |
| S5-223413 | pCR TR 28.830 Add description of key issue service outage | China Mobile, Huawei | noted |  |  |
| S5-223414 | pCR TR 28.830 Add description of key issue performance degradation | China Mobile, Huawei | noted |  |  |
| S5-223415 | pCR TR 28.830 Add description of key issue 5GC service failure prediction | China Mobile, Huawei | noted |  |  |
| S5-223416 | pCR TR 28.830 Add solution of key issue service outage | China Mobile, Huawei | noted |  |  |
| S5-223417 | pCR TR 28.830 Add solution of key issue performance degradation | China Mobile, Huawei | noted |  |  |
| S5-223418 | pCR TR 28.830 Add solution of key issue 5GC service failure prediction | China Mobile, Huawei | noted |  |  |
| S5-223419 | Rel-16 CR 32.156 Clarification of property defaultValue | Nokia, Nokia Shanghai Bell | revised |  | S5-223560 |
| S5-223420 | Rel-17 CR 32.156 Clarification of property defaultValue | Nokia, Nokia Shanghai Bell | revised |  | S5-223561 |
| S5-223421 | Rel-17 TS 28.531 Update operations of allocateNsi, allocateNssi, deallocateNsi, deallocateNssi | Nokia, Nokia Shanghai Bell | revised |  | S5-223655 |
| S5-223422 | Add granularity period examples | Ericsson LM | not pursued |  |  |
| S5-223423 | Add granularity period examples | Ericsson LM | not pursued |  |  |
| S5-223424 | pCR 28.864 New KI about performance metrics of NWDAF on Efficiency Aspect | China Telecom Corporation Ltd. | noted |  |  |
| S5-223425 | Add granularity period examples | Ericsson LM | not pursued |  |  |
| S5-223426 | pCR TR 28.910 Add autonomous network level for service experience optimization | Huawei | noted |  |  |
| S5-223427 | Rel-17 Input to DraftCR 28.623 Enhancement and corrections for IOC "ManagementDataCollection" (stage 3) | Nokia, Nokia Shanghai Bell | revised |  | S5-223627 |
| S5-223428 | Rel-17 Input to DraftCR 28.623 Reporting for IOC "ManagementDataCollection" (stage 3) | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-223429 | Rel-18 pCR 28.312 Fix Create an Intent procedure numbering | Ericsson Inc. | revised |  | S5-223631 |
| S5-223430 | Rel-18 pCR 28.312 Fix intentFulfillment attribute definition | Ericsson Inc. | revised |  | S5-223632 |
| S5-223431 | Rel-17 CR 28.623 Add QMC job, stage 3 (YANG) | Ericsson Inc. | not pursued |  |  |
| S5-223432 | New WID on QoE Measurement collection automation support | Ericsson | noted |  |  |
| S5-223433 | New WID on deprecation | Ericsson | noted |  |  |
| S5-223434 | Add key issue requirements of management service discovery | China Unicom | revised |  | S5-223580 |
| S5-223435 | CR R17 32.511-h00 Correcting non inclusive language | Ericsson | agreed |  |  |
| S5-223436 | pCR TR 28.863 Key Issue#1 Definition of KQI | Huawei | revised |  | S5-223741 |
| S5-223437 | Discussion paper on cloud-native NF deployment | Microsoft Europe SARL | noted |  |  |
| S5-223438 | Rel-17 CR 32.291 Introduce OpenAPI extension for 5G ProSe charging | CATT | revised |  | S5-223676 |
| S5-223439 | Rel-17 CR 32.291 Introduce Binding for 5G Prose charging | CATT | revised |  | S5-223678 |
| S5-223440 | Rel-17 CR 32.291 Introduce Data Type for 5G ProSe charging | CATT | revised |  | S5-223679 |
| S5-223441 | Rel-17 CR 32.298 Introduce 5G ProSe charging information to CHF CDR | CATT | revised |  | S5-223680 |
| S5-223442 | Rel-17 CR 32.298 Introduce 5G ProSe charging to CHF CDR | CATT | revised |  | S5-223677 |
| S5-223443 | pCR TR 28.863 Key Issue#3 Solution of Key influencing factors for service experience of Video Uploading | Huawei | noted |  |  |
| S5-223444 | pCR 28.834 Add use case on cloud-native VNF deployment | Microsoft Europe SARL | noted |  |  |
| S5-223445 | pCR TR 28.863 Key Issue#3 Solution of KQIs for Video Uploading | Huawei | noted |  |  |
| S5-223446 | pCR TR 28.863 Key Issue#3 Evaluation of KQI for Video Uploading | Huawei | noted |  |  |
| S5-223447 | pCR TR 28.863 Key Issue#3 Solution of related KPIs which will influence the KQIs for Video Uploading | Huawei | noted |  |  |
| S5-223448 | pCR TR 28.863 Key Issue#4 Solution of Key influencing factors for Remote Controlling | Huawei | noted |  |  |
| S5-223449 | pCR TR 28.863 Key Issue#4 Solution of KQIs for Remote Controlling | Huawei | noted |  |  |
| S5-223450 | pCR TR 28.863 Key Issue#4 Solution of related KPIs which will influence the KQIs for remote controlling | Huawei | noted |  |  |
| S5-223451 | Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223452 | Rel-17 CR TS 28.531 Update procedures for asynchronous mode of operations for Network Slice and Network Slice Subnet LCM | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223453 | Rel-17 CR TS 28.541 Add lifecycleState and availabilityStatus attributes to NetworkSlice and NetworkSliceSubnet | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223454 | Rel-17 CR TS 28.623 Add AvailabilityStatus and LifecycleState to comDefs | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-223455 | pCR 28.864 Add potential solution for KI#1 | Chinatelecom Cloud | noted |  |  |
| S5-223456 | pCR 28.864 Add potential solution for KI#2 | Chinatelecom Cloud | noted |  |  |
| S5-223457 | pCR 32.257 Add charging information definition for EES exposed 5GC NF services | Intel | revised |  | S5-223674 |
| S5-223458 | pCR 28.864 Add potential solution for KI#3 | Chinatelecom Cloud | revised |  | S5-223578 |
| S5-223459 | pCR 28.864 New key issue for the performance management of the NWDAF on the result aspect | Chinatelecom Cloud | noted |  |  |
| S5-223460 | pCR 32.257 Rapporteur clean-up | Intel | revised |  | S5-223673 |
| S5-223461 | pCR draft TS28.104, v1.1.0 Rapporteur clean-up | NEC, Intel | revised |  | S5-223638 |
| S5-223462 | CR 32.291 Update Nchf\_ConvergedCharging service API for Edge Computing | Intel | revised |  | S5-223675 |
| S5-223463 | pCR TR 28.865 Add framework of FS\_DCSA | Huawei | revised |  | S5-223614 |
| S5-223464 | CR 32.298 Add Edge Computing related CHF CDR(s) definition and ASN.1 format | Intel | revised |  | S5-223672 |
| S5-223465 | CR 32.297 Add CDR file format for Edge Computing charging | Intel | agreed |  |  |
| S5-223466 | pCR TR 28.865 Add key issue provisioning of network functions related to DCSA | Huawei | revised |  | S5-223615 |
| S5-223467 | pCR TR 28.865 Add key issue service assurance for video monitoring | Huawei | revised |  | S5-223616 |
| S5-223468 | Presentation of TS 32.257 for approval | Intel | revised |  | S5-223684 |
| S5-223469 | pCR TR 28.865 Add key issue service assurance for PLC control | Huawei | revised |  | S5-223617 |
| S5-223470 | pCR TR 28.865 Add solution service assurance for video monitoring | Huawei | revised |  | S5-223618 |
| S5-223471 | pCR 28.104 Add data type definitions | Intel | revised |  | S5-223642 |
| S5-223472 | pCR TR 28.865 Add solution service assurance for PLC control | Huawei | revised |  | S5-223619 |
| S5-223473 | pCR 28.104 Enhance MDA NRM | Intel | revised |  | S5-223643 |
| S5-223474 | pCR 28.105 Update AI-ML NRM | Intel, NEC | approved |  |  |
| S5-223475 | pCR draft TS28.105, v1.1.0 Rapporteur clean-up | NEC, Intel | revised |  | S5-223650 |
| S5-223476 | pCR 28.105 Add stage 3 solution sets for AI-ML NRM | Intel | revised |  | S5-223647 |
| S5-223477 | pCR 28.104 Add stage 3 solution sets for MDA NRM | Intel | revised |  | S5-223644 |
| S5-223478 | pCR 28.104 Add file format definitions for MDA outputs | Intel | withdrawn |  |  |
| S5-223479 | pCR 28.104 Add streaming data format for MDA outputs | Intel | withdrawn |  |  |
| S5-223480 | Presentation of TS 28.104 for approval | Intel | revised |  | S5-223639 |
| S5-223481 | Presentation of TS 28.105 for approval | Intel | approved |  |  |
| S5-223482 | pCR draft TS28.104, add AI/ML optional support for MDA | NEC, Intel | revised |  | S5-223648 |
| S5-223483 | CR Rel-17 28.552 Enhance UE Context Release measurements for MDA | Intel | agreed |  |  |
| S5-223484 | CR Rel-17 28.622 Generalize the ThresholdInfo data type | Intel | not pursued |  |  |
| S5-223485 | pCR draft TS28.104, add reporting MnS components | NEC, Intel | revised |  | S5-223749 |
| S5-223486 | New Rel-18 WID Enhancement of Management Data Analytics phase 2 | Intel, NEC | noted |  |  |
| S5-223487 | pCR draft TS28.105, updates to AI/ML NRM | NEC Europe Ltd | approved |  |  |
| S5-223488 | pCR 28.908 Add AI-ML workflow for 5GS | Intel, NEC | noted |  |  |
| S5-223489 | pCR 28.908 Add use case on AI-ML model validation | Intel, NEC | noted |  |  |
| S5-223490 | Rel-17 CR 28.541 Update Figure L.2.1 and accompanying paragraph. | TELEFONICA S.A. | revised | S5-221030 | S5-223562 |
| S5-223491 | Discussion to add BWP Set configuration support in NRM | Ericsson Inc. | revised |  | S5-223563 |
| S5-223492 | CR draft TS28.104, revisions to Network slice traffic prediction | NEC Europe Ltd | revised |  | S5-223651 |
| S5-223493 | Discussion on enhanced QoS model for RLC and PDCP | Ericsson Inc. | noted |  |  |
| S5-223494 | R17 CR for Stage 3 for enabledordisabled list | Lenovo Information Technology | not pursued |  |  |
| S5-223495 | Rel-16 CR 28.532 Fix FileDataType (OpenAPI) | Ericsson Inc. | agreed |  |  |
| S5-223496 | Rel-17 CR 28.532 Fix FileDataType (OpenAPI) | Ericsson Inc. | agreed |  |  |
| S5-223497 | Rel-16 CR 28.541 Fix BWP association to NRCellDU | Ericsson Inc. | agreed |  |  |
| S5-223498 | Rel-17 CR 28.541 Fix BWP association to NRCellDU | Ericsson Inc. | agreed |  |  |
| S5-223499 | pCR 28.908 Add use case on AI/ML model deployment | CATT | noted |  |  |
| S5-223500 | Rel-16 CR 28.541 Update 5QI set attribute definition | Ericsson Inc. | agreed |  |  |
| S5-223501 | Rel-17 CR 28.541 Update 5QI set description (YANG) | Ericsson Inc. | agreed |  |  |
| S5-223502 | Rel-16 CR 28.541 Update 5QI set description (YANG) | Ericsson Inc. | agreed |  |  |
| S5-223503 | Rel-17 CR 28.541 Update 5QI set attribute definition | Ericsson Inc. | agreed |  |  |
| S5-223504 | Reply to: Resubmitted LS on configuration updates of MDT M1, M8 and M9 in RAN3 specifications | Nokia | revised |  | S5-223583 |
| S5-223505 | pCR draft TS28.104, revisions to clause 7.3.2 obtaining MDA Output | NEC Europe Ltd | approved |  |  |
| S5-223506 | Alignment of 28404 with 28405 | Ericsson Limited | revised |  | S5-223746 |
| S5-223507 | Rel-16 CR 28.623 Alignment of attribute values of attribute tjMDTReportInterval to TS 32.422, TS 38.413 and TS 38.423 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223508 | Rel-17 CR 28.623 Alignment of attribute values of attribute tjMDTReportInterval to TS 32.422, TS 38.413 and TS 38.423 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-223509 | Adding Signaling Based Activation for NR | Ericsson Limited | not pursued |  |  |
| S5-223510 | Handling QMC measurements at Handover for NR | Ericsson Limited | not pursued |  |  |
| S5-223511 | Adding QMCJob | Ericsson Limited | not pursued |  |  |
| S5-223512 | Attribute updates | Ericsson Limited | revised |  | S5-223747 |
| S5-223513 | Study on Data management | Nokia, Nokia Shanghai Bell | not treated |  |  |
| S5-223514 | Rel-17 CR 28.532 Clarify usage of notifyMOIChanges for NRMs defined in YANG | Nokia, Nokia Shanghai Bell | merged |  | S5-223559 |
| S5-223515 | LS on Issues Network Slice information delivery to a 3rd party | S6-220975 | replied to | - | - |
| S5-223516 | Reply to: LS on Issues Network Slice information delivery to a 3rd party | Samsung | approved | - | - |
| S5-223517 | Reply to: LS on Logical relationship between query parameters | Huawei | approved | - | - |
| S5-223518 | Reply to: Resubmitted LS Reply on QoE configuration and reporting related issues | Ericsson | approved | - | - |
| S5-223519 | Reply to: Resubmitted LS on TS 28.404/TS 28.405 Clarification | Ericsson | revised | - | S5-223546 |
| S5-223520 | Reply to: LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation | Samsung | noted | - | - |
| S5-223521 | Reply to: LS on network slice LCM consumption and use cases | Ericsson | approved | - | - |
| S5-223522 | LS on Study on KQIs for 5G service experience | Ericsson | approved | - | - |
| S5-223523 | New Rel-18 SID Enhancement of Management Data Analytics phase 2 | Intel | withdrawn | - | - |
| S5-223524 | Reply to: Resubmitted Reply LS to SA5 on beam measurement reports | Ericsson | approved | - | - |
| S5-223525 | LS on Inclusive language updates related to BBF TR-196 | Ericsson | approved | - | - |
| S5-223526 | SA5 meeting calendar | WG CHair | agreed | S5-223012 | - |
| S5-223527 | Rel-16 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | agreed | S5-223052 | - |
| S5-223528 | Rel-16 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml | Nokia, Nokia Shanghai Bell | agreed | S5-223053 | - |
| S5-223529 | Rel-16 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | agreed | S5-223054 | - |
| S5-223530 | Rel-17 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | agreed | S5-223055 | - |
| S5-223531 | Rel-17 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml | Nokia, Nokia Shanghai Bell | agreed | S5-223056 | - |
| S5-223532 | Rel-17 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | agreed | S5-223057 | - |
| S5-223533 | Rel-16 TS 28.623 OpenAPI file name and dependence change-comDefs | Nokia, Nokia Shanghai Bell | agreed | S5-223058 | - |
| S5-223534 | Rel-16 TS 28.623 OpenAPI file name and dependence change-genericNrm | Nokia, Nokia Shanghai Bell | agreed | S5-223059 | - |
| S5-223535 | Rel-17 TS 28.623 OpenAPI file name and dependence change-comDefs | Nokia, Nokia Shanghai Bell | agreed | S5-223060 | - |
| S5-223536 | Rel-17 TS 28.623 OpenAPI file name and dependence change-genericNrm | Nokia, Nokia Shanghai Bell | agreed | S5-223061 | - |
| S5-223537 | Rel-17 CR TS 28.538 OpenAPI file name and dependence change-edgeNrm | Nokia, Nokia Shanghai Bell | agreed | S5-223072 | - |
| S5-223538 | yaml indentation correction for comDefs.yaml | Nokia, Nokia Shanghai Bell | agreed | S5-223125 | - |
| S5-223539 | Rel-17 CR for TS28.537 editorialCorrections | ZTE Corporation | agreed | S5-223133 | - |
| S5-223540 | Rel-17 CR for TS28.552 editorialCorrections | ZTE Corporation | agreed | S5-223134 | - |
| S5-223541 | Rel-17 CR TS28541 Fixing attribute properties for ServiceProfile attribute networkSliceSharingIndicator | Nokia, Nokia Shanghai Bell | agreed | S5-223146 | - |
| S5-223542 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | agreed | S5-223152 | - |
| S5-223543 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | agreed | S5-223153 | - |
| S5-223544 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | agreed | S5-223155 | - |
| S5-223545 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | agreed | S5-223186 | - |
| S5-223546 | Reply to: Resubmitted LS on TS 28.404/TS 28.405 Clarification | Ericsson | approved | S5-223519 | - |
| S5-223547 | CR Rel-17 TS 32.452 Non-inclusive language correction | China Mobile E-Commerce Co. | agreed | S5-223393 | - |
| S5-223548 | Alarm Handling Clarifications | Ericsson Hungary Ltd | agreed | S5-223199 | - |
| S5-223549 | Alarm Handling Clarifications | Ericsson Hungary Ltd | agreed | S5-223200 | - |
| S5-223550 | Rel-16 CR 32.422 adding missing signaling and interface related to SMF for trace | Huawei | agreed | S5-223245 | - |
| S5-223551 | Rel-17 CR 32.422 adding missing signaling and interface related to SMF for trace | Huawei | agreed | S5-223246 | - |
| S5-223552 | Rel-16 CR 32.423 adding missing interface related to SMF for trace | Huawei | agreed | S5-223247 | - |
| S5-223553 | Rel-17 CR 32.423 adding missing interface related to SMF for trace | Huawei | agreed | S5-223248 | - |
| S5-223554 | Rel-16 CR 28.532 Correct definition of Resource | Nokia, Nokia Shanghai Bell | agreed | S5-223357 | - |
| S5-223555 | Rel-17 CR 28.532 Correct definition of Resource | Nokia, Nokia Shanghai Bell | agreed | S5-223358 | - |
| S5-223556 | Rel-17 CR 28.532 Correct notifyMOIChanges (stage 2) | Nokia, Nokia Shanghai Bell | agreed | S5-223359 | - |
| S5-223557 | Rel-17 CR 28.532 Correct notifyMOIChanges (REST SS) | Nokia, Nokia Shanghai Bell | agreed | S5-223360 | - |
| S5-223558 | Rel-17 CR 28.532 Correct notifyMOIChanges (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | agreed | S5-223362 | - |
| S5-223559 | Data change notifications YANG-in-Rest format | Ericsson Hungary Ltd | agreed | S5-223388 | - |
| S5-223560 | Rel-16 CR 32.156 Clarification of property defaultValue | Nokia, Nokia Shanghai Bell | agreed | S5-223419 | - |
| S5-223561 | Rel-17 CR 32.156 Clarification of property defaultValue | Nokia, Nokia Shanghai Bell | agreed | S5-223420 | - |
| S5-223562 | Rel-17 CR 28.541 Update Figure L.2.1 and accompanying paragraph. | TELEFONICA S.A. | agreed | S5-223490 | - |
| S5-223563 | Discussion to add BWP Set configuration support in NRM | Ericsson Inc. | approved | S5-223491 | - |
| S5-223564 | Rel-18 InputTodraftCR 28.538 EASFunction IOC | AsiaInfo Technologies Inc | approved | S5-223372 | - |
| S5-223565 | pCR TR 28.910 Add key issues for enhancement of ANL for network optimization | Huawei,China Mobile | approved | S5-223323 | - |
| S5-223566 | pCR 28.910 Add key issue for autonomous network level for 5GC NF deployment | Huawei | approved | S5-223255 | - |
| S5-223567 | pCR TR 28.910 Update the key issue of autonomous network level for RAN energy saving scenario | Huawei, AsiaInfo, China Mobile | approved | S5-223322 | - |
| S5-223568 | pCR TR 28.912 add key issues for 5GC intent expectation | Huawei | approved | S5-223257 | - |
| S5-223569 | pCR TR 28.912 Add potential solutions for RAN energy saving to clause 4.1.2 | Huawei | approved | S5-223328 | - |
| S5-223570 | pCR TR 28.912 add key issue for missing solution for radio service intent expectation | Huawei,Deutsche Telekom | approved | S5-223326 | - |
| S5-223571 | pCR TR 28.912 add key issue for enhancement of radio network intent expectation | Huawei,Deutsche Telekom | approved | S5-223327 | - |
| S5-223572 | pCR 28.836 Add concept of service profile and slice profile | Huawei | approved | S5-223258 | - |
| S5-223573 | pCR 28.836 Add use case of network slicing allocation | Huawei | approved | S5-223259 | - |
| S5-223574 | pCR 28.836 Add key issue of network slice life cycle management | Huawei | approved | S5-223260 | - |
| S5-223575 | pCR 28.836 Add key issue of network slice service assurance | Huawei | approved | S5-223261 | - |
| S5-223576 | pCR 28.908 Add use case on AI/ML model performance | China Mobile E-Commerce Co. | approved | S5-223347 | - |
| S5-223578 | pCR 28.864 Add potential solution for KI#3 | Chinatelecom Cloud | approved | S5-223458 | - |
| S5-223579 | pCR TR 28.925 Add issue on illustration of using MnS in management reference model in TS 32.101 | HuaWei Technologies Co., Ltd | approved | S5-223333 | - |
| S5-223580 | Add key issue requirements of management service discovery | China Unicom | noted | S5-223434 | - |
| S5-223581 | pCR TR 28.925 Add issue on analysis on IRP specifications needs to support SBMA | HuaWei Technologies Co., Ltd | approved | S5-223334 | - |
| S5-223582 | Rel-18 pCR 28.831 Improve description of current situation for key issue 2 (Targeted notification subscription) | Nokia, Nokia Shanghai Bell | approved | S5-223373 | - |
| S5-223583 | Reply to: Resubmitted LS on configuration updates of MDT M1, M8 and M9 in RAN3 specifications | Nokia | approved | S5-223504 | - |
| S5-223584 | New R18 SID on MP-CP Conflict management and coordination | Lenovo | noted | S5-223240 | - |
| S5-223585 | Rel-18 SID on Closed control loop governance for autonomous network | ZTE Corporation, China Telecom | noted | S5-223298 | - |
| S5-223587 | pCR 28.864 New KI about performance metrics of NWDAF on data collection aspect | China Telecom Corporation Ltd. | approved | S5-223408 | - |
| S5-223588 | Rel-17 CR 28.622 Add stage 2 for management data collection and discovery | Nokia | agreed | - | - |
| S5-223589 | Rel-17 CR 28.623 Add stage 3 for management data collection and discovery (OpenAPI definitions) | Nokia | agreed | - | - |
| S5-223590 | Rel-17 CR 28.537 Add requirements for management data collection and discovery | Nokia | agreed | - | - |
| S5-223591 | Rel-17 CR 28.552 performance measurements for ECS - Service Provisioning | Samsung Electronics Benelux BV | agreed | - | - |
| S5-223592 | Presentation sheet for FS\_CICDNS | China Mobile | approved | - | - |
| S5-223593 | Add Key Issue on the Performance measurements related to URLLC | China Unicom | noted | S5-223368 | - |
| S5-223594 | pCR TR 28.833 Change TR structure | China Mobile E-Commerce Co. | approved | S5-223339 | - |
| S5-223595 | Add use case1 for 5G VN group data management of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | approved | S5-223340 | - |
| S5-223596 | Add use case2 for PDU Session management of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | approved | S5-223341 | - |
| S5-223597 | Add use case3 for user plane handing of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | approved | S5-223342 | - |
| S5-223598 | Add use case4 for 5G VN performance measurement management of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | approved | S5-223343 | - |
| S5-223599 | Add use case5 for 5G VN group end-to-end network KPIS management of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | approved | S5-223344 | - |
| S5-223600 | pCR 28.834 Add TR structure | China Mobile Com. Corporation | approved | S5-223355 | - |
| S5-223601 | pCR 28.834 Add scope | China Mobile Com. Corporation | approved | S5-223356 | - |
| S5-223602 | Add Concepts and overview | China Unicom | approved | S5-223352 | - |
| S5-223603 | Add key issue management requirement between MOP-NM and MOP-SR-DM | China Unicom | approved | S5-223353 | - |
| S5-223604 | Add key issue service-based management architecture for MOCN | China Unicom | approved | S5-223363 | - |
| S5-223605 | pCR 28.819 Add process for multiple vendor case | Huawei | approved | S5-223262 | - |
| S5-223606 | pCR 28.819 Add description of deployment options | Huawei | approved | S5-223263 | - |
| S5-223607 | pCR 28.819 Update text for editorial issues | Huawei | approved | S5-223264 | - |
| S5-223608 | pCR 28.907 Potential solution for KI#2 | Huawei | approved | S5-223236 | - |
| S5-223609 | pCR 28.907 Key Issue on SLA monitoring and evaluation | Huawei | approved | S5-223234 | - |
| S5-223610 | pCR 28.907 Potential solution for KI#1 | Huawei | approved | S5-223235 | - |
| S5-223611 | pCR TR 28.829 Business use case - MNO provides performance info | Samsung, EUTC, BMWK, Vodafone | approved | S5-223390 | - |
| S5-223612 | pCR TR 28.829 Business use case - Utility provides performance and failure info | Samsung, EUTC, BMWK, Vodafone | approved | S5-223389 | - |
| S5-223613 | pCR TR 28.829 Business use case - Energy outage coordination | Samsung, EUTC, BMWK, Vodafone | approved | S5-223387 | - |
| S5-223614 | pCR TR 28.865 Add framework of FS\_DCSA | Huawei | approved | S5-223463 | - |
| S5-223615 | pCR TR 28.865 Add key issue provisioning of network functions related to DCSA | Huawei | approved | S5-223466 | - |
| S5-223616 | pCR TR 28.865 Add key issue service assurance for video monitoring | Huawei | approved | S5-223467 | - |
| S5-223617 | pCR TR 28.865 Add key issue service assurance for PLC control | Huawei | approved | S5-223469 | - |
| S5-223618 | pCR TR 28.865 Add solution service assurance for video monitoring | Huawei | approved | S5-223470 | - |
| S5-223619 | pCR TR 28.865 Add solution service assurance for PLC control | Huawei | approved | S5-223472 | - |
| S5-223620 | Make descriptions in issues and gaps more uniform | Ericsson LM | approved | S5-223230 | - |
| S5-223621 | Update position and add solution for direct MnS exposure | Lenovo Information Technology | approved | S5-223242 | - |
| S5-223622 | Update to solution regarding CAPIF based management capability | Alibaba Group | approved | S5-223123 | - |
| S5-223623 | pCR 28.824 Add note on possible charging impact | Lenovo Information Technology | approved | S5-223241 | - |
| S5-223624 | pCR 28.824 Solution for Network slice management capability exposure | Samsung R&D Institute India | approved | S5-223208 | - |
| S5-223625 | Add procedure for consumption of exposed MnS after service order is completed | Ericsson LM, Deutsche Telekom | approved | S5-223229 | - |
| S5-223626 | Rel-17 Input to DraftCR 28.622 Enhancement and corrections for IOC "ManagementDataCollection" (stage 2) | Nokia, Nokia Shanghai Bell | approved | S5-223154 | - |
| S5-223627 | Rel-17 Input to DraftCR 28.623 Enhancement and corrections for IOC "ManagementDataCollection" (stage 3) | Nokia, Nokia Shanghai Bell | approved | S5-223427 | - |
| S5-223628 | Rel-17 pCR TS 28.312 OpenAPI file name and dependence change-intentNrm | Nokia, Nokia Shanghai Bell | approved | S5-223070 | - |
| S5-223629 | pCR 28.312 Update description of value DEGRADED in clause 6.2.1.3.6 | China Mobile, Huawei, Nokia | approved | S5-223321 | - |
| S5-223630 | pCR TS 28.312 Rapporteur clean up | Huawei | approved | S5-223329 | - |
| S5-223631 | Rel-18 pCR 28.312 Fix Create an Intent procedure numbering | Ericsson Inc. | approved | S5-223429 | - |
| S5-223632 | Rel-18 pCR 28.312 Fix intentFulfillment attribute definition | Ericsson Inc. | approved | S5-223430 | - |
| S5-223633 | add Service Support Expectation in clause 7.2.2 stage3 | AsiaInfo, Huawei | approved | S5-223335 | - |
| S5-223634 | R17 Add disable list for a specific DN attribute of ACCL NRM | Lenovo, Ericsson | agreed | S5-223239 | - |
| S5-223635 | pCR TS 28.104 update EsRecommendationsOnUPF and EsRecommendationsOnNRcell | Huawei | approved | S5-223271 | - |
| S5-223636 | pCR 28.104 Add clause for energy saving analysis | Huawei | approved | S5-223273 | - |
| S5-223637 | pCR 28.104 Editorial improvement | Huawei | approved | S5-223274 | - |
| S5-223638 | pCR draft TS28.104, v1.1.0 Rapporteur clean-up | NEC, Intel | approved | S5-223461 | - |
| S5-223639 | Presentation of TS 28.104 for approval | Intel | approved | S5-223480 | - |
| S5-223640 | pCR TS 28.104 update TrafficProjections data type | Huawei | approved | S5-223272 | - |
| S5-223641 | Adding MDA output IOC | Nokia Germany | approved | S5-223346 | - |
| S5-223642 | pCR 28.104 Add data type definitions | Intel | approved | S5-223471 | - |
| S5-223643 | pCR 28.104 Enhance MDA NRM | Intel | approved | S5-223473 | - |
| S5-223644 | pCR 28.104 Add stage 3 solution sets for MDA NRM | Intel | approved | S5-223477 | - |
| S5-223645 | MDA output for proactive coverage analytics | Nokia Italy | approved | S5-223397 | - |
| S5-223646 | Rel-17 pCR TS 28.105 Add AIML training attribute in case of AIML training initiated by producer | Huawei | approved | S5-223380 | - |
| S5-223647 | pCR 28.105 Add stage 3 solution sets for AI-ML NRM | Intel | approved | S5-223476 | - |
| S5-223648 | pCR draft TS28.104, add AI/ML optional support for MDA | NEC, Intel | approved | S5-223482 | - |
| S5-223649 | Rel-17 pCR TS 28.104 add MDA analysis request and report generic workflow | Huawei | approved | S5-223381 | - |
| S5-223650 | pCR draft TS28.105, v1.1.0 Rapporteur clean-up | NEC, Intel | approved | S5-223475 | - |
| S5-223651 | CR draft TS28.104, revisions to Network slice traffic prediction | NEC Europe Ltd | approved | S5-223492 | - |
| S5-223652 | Add requirements for handling erroneous data & decisions | Nokia Italy | approved | S5-223394 | - |
| S5-223653 | Rel-17 CR TS28531 Update procedure of reservation and checking feasibility of network slice | Nokia, Nokia Shanghai Bell | agreed | S5-223074 | - |
| S5-223654 | Rel-17 CR 28.531 adding procedure network service priority management | Huawei | agreed | S5-223243 | - |
| S5-223655 | Rel-17 TS 28.531 Update operations of allocateNsi, allocateNssi, deallocateNsi, deallocateNssi | Nokia, Nokia Shanghai Bell | agreed | S5-223421 | - |
| S5-223656 | Rel-17 CR 32.422 Add metric identifier for trace metrics | Nokia, Nokia Shanghai Bell | agreed | S5-223173 | - |
| S5-223657 | DraftCR for MADCOL TS 28.622 | Nokia | approved | - | - |
| S5-223658 | DraftCR for MADCOL TS 28.623 | Nokia | approved | - | - |
| S5-223659 | Latest draft TR 28.910 | China Mobile | approved | - | - |
| S5-223660 | Latest draft TR 28.912 | Huawei | approved | - | - |
| S5-223661 | Latest draft TR 28.836 | Ericsson | approved | - | - |
| S5-223662 | Latest draft TR 28.908 | Intel | approved | - | - |
| S5-223663 | Latest draft TR 28.864 | China Telecom | approved | - | - |
| S5-223664 | Latest draft TR 28.925 | Huawei | approved | - | - |
| S5-223665 | Latest draft TR 28.831 | Nokia | approved | - | - |
| S5-223666 | CH agenda and time plan | WG vice Chair (Matrixx) | approved | S5-223008 | - |
| S5-223667 | Draft TS 32.257 | intel | approved | - | - |
| S5-223668 | Draft TR 32.847 | MATRIXX | approved | - | - |
| S5-223669 | Draft TR 28.826 | Ericsson | approved | - | - |
| S5-223670 | Draft TR 28.827 | Ericsson | approved | - | - |
| S5-223671 | Draft TR 28.828 | China Mobile | approved | - | - |
| S5-223672 | CR 32.298 Add Edge Computing related CHF CDR(s) definition and ASN.1 format | Intel | agreed | S5-223464 | - |
| S5-223673 | pCR 32.257 Rapporteur clean-up | Intel | agreed | S5-223460 | - |
| S5-223674 | pCR 32.257 Add charging information definition for EES exposed 5GC NF services | Intel | agreed | S5-223457 | - |
| S5-223675 | CR 32.291 Update Nchf\_ConvergedCharging service API for Edge Computing | Intel | agreed | S5-223462 | - |
| S5-223676 | Rel-17 CR 32.291 Introduce OpenAPI extension for 5G ProSe charging | CATT | agreed | S5-223438 | - |
| S5-223677 | Rel-17 CR 32.298 Introduce 5G ProSe charging to CHF CDR | CATT | agreed | S5-223442 | - |
| S5-223678 | Rel-17 CR 32.291 Introduce Binding for 5G Prose charging | CATT | agreed | S5-223439 | - |
| S5-223679 | Rel-17 CR 32.291 Introduce Data Type for 5G ProSe charging | CATT | agreed | S5-223440 | - |
| S5-223680 | Rel-17 CR 32.298 Introduce 5G ProSe charging information to CHF CDR | CATT | agreed | S5-223441 | - |
| S5-223681 | Rel-17 CR 32.255 QBC triggering for LBO | Ericsson LM | not pursued | S5-223104 | - |
| S5-223682 | Rel-17 CR 32.291 Missing IMS binding | Ericsson LM | agreed | S5-223100 | - |
| S5-223683 | Rel-17 CR 32.255 Additional charging principles for LBO\_was\_S5-222809 | Huawei, Ericsson, MATRIXX Software | agreed | S5-223209 | - |
| S5-223684 | Presentation of TS 32.257 for approval | Intel | approved | S5-223468 | - |
| S5-223685 | Rel-16 CR 32.255 Correction on the Trigger Conditions | Huawei | agreed | S5-223276 | - |
| S5-223686 | Rel-17 CR 32.255 Correction on the Trigger Conditions | Huawei | agreed | S5-223277 | - |
| S5-223687 | Rel-17 CR 32.260 Supported fields in Charging Data Request message | Nokia, Nokia Shangai Bell | agreed | S5-223187 | - |
| S5-223688 | Rel-17 CR 32.260 Final Unit Indication missing | Nokia, Nokia Shangai Bell | agreed | S5-223191 | - |
| S5-223689 | Rel-17 CR 32.291 Correction on the Time attribute | Huawei,Deutsche Telekom | agreed | S5-223282 | - |
| S5-223690 | Rel-17 CR 32.291 RedirectAdresssType datatype missing | Nokia, Nokia Shangai Bell | agreed | S5-223190 | - |
| S5-223691 | Rel-16 CR 32.255 Correction on the Trigger type for QBC | Huawei | agreed | S5-223278 | - |
| S5-223692 | Rel-17 CR 32.255 Correction on the Trigger type for QBC | Huawei | agreed | S5-223279 | - |
| S5-223693 | Rel-17 CR 32.291 Correction on the QoS Monitoring Report | Huawei | agreed | S5-223280 | - |
| S5-223694 | Rel-17 CR 32.291 Correcting response code 3xx | Ericsson LM | agreed | S5-223086 | - |
| S5-223695 | Rel-17 CR 32.291 Correcting response code 5xx | Ericsson LM | agreed | S5-223087 | - |
| S5-223696 | Rel-18 pCR 32.847 Add NWDAF based NS charging new solution for Key issue#6 | MATRIXX Software | approved | S5-223228 | - |
| S5-223697 | Rel-18 pCR 32.847 Add new solution for Key issue#8 | MATRIXX Software | agreed | S5-223225 | - |
| S5-223698 | Rel-17 CR 32.255 Correcting home routed CHF selection | Ericsson LM | agreed | S5-223098 | - |
| S5-223699 | Rel-17 CR 32.255 Correcting IMS handling | Ericsson LM | not pursued | S5-223099 | - |
| S5-223700 | Rel-18 pCR 28.826 Adding trigger solutions to clause 5.2 | Ericsson LM | approved | S5-223109 | - |
| S5-223701 | Rel-17 CR 32.255 Addition of the Start Time | Huawei | not pursued | S5-223283 | - |
| S5-223702 | Rel-18 pCR 28.826 Correcting clause 5.5.5 | Ericsson LM | noted | S5-223107 | - |
| S5-223703 | Rel-17 CR 32.291 Addition of the Start Time | Huawei | not pursued | S5-223284 | - |
| S5-223704 | Rel-17 CR 32.255 Additional charging message flow for MVNO | Huawei | agreed | S5-223287 | - |
| S5-223705 | Rel-17 CR 32.255 Additional charging principles for MVNO | Huawei | agreed | S5-223288 | - |
| S5-223706 | Rel-18 pCR 28.828 Add the use case for SNPN | Huawei | approved | S5-223294 | - |
| S5-223707 | Rel-17 CR 32.290 Correcting CHF detected failure handling | Ericsson LM | agreed | S5-223097 | - |
| S5-223708 | Rel-18 pCR 28.828 Add charging scenarios and key issues for SNPN on converged charging for access connection | China Mobile | approved | S5-223136 | - |
| S5-223709 | Rel-18 pCR 28.828 Introduction of charging modes | China Mobile | approved | S5-223084 | - |
| S5-223710 | Rel-18 pCR 28.828 Add charging scenarios and key issues for PNI-NPN on converged charging for access connection | China Mobile | approved | S5-223135 | - |
| S5-223711 | Rel-18 pCR 32.847 Clarify the Evaluation for the key issue 7 | Huawei | approved | S5-223289 | - |
| S5-223712 | Rel-18 pCR 28.827 Adding AMF solution to clause 7.2 | Ericsson LM | approved | S5-223114 | - |
| S5-223713 | Rel-18 pCR 28.827 Updating solution 2.1 with SMSF and AMF | Ericsson LM | approved | S5-223113 | - |
| S5-223714 | Rel-18 pCR 28.827 Optimization on the QBC triggers | Huawei | noted | S5-223292 | - |
| S5-223715 | Rel-18 pCR 28.827 Correcting solution 1.3 | Ericsson LM | approved | S5-223110 | - |
| S5-223716 | Rel-17 pCR 28.826 ServiceID in Charging Data Request | Nokia, Nokia Shangai Bell | approved | S5-223197 | - |
| S5-223717 | Rel-17 CR 32.298 Addition of the Start Time | Huawei | not pursued | S5-223285 | - |
| S5-223718 | Rel-18 pCR 28.827 Solution for issue 2e trigger handling between CHFs | Ericsson LM | noted | S5-223122 | - |
| S5-223719 | Rel-18 pCR 28.827 Use case for 5G connection and mobility in clause 7.3 | Ericsson LM | approved | S5-223119 | - |
| S5-223720 | Rel-18 pCR 28.827 Adding SMF to multiple CHF solution to clause 7.5 | Ericsson LM | approved | S5-223118 | - |
| S5-223721 | Rel-18 pCR 28.827 Solution for issue 2c CHF selection | Ericsson LM | approved | S5-223120 | - |
| S5-223722 | Rel-17 CR 32.255 Additional charging message flow for LBO\_was\_S5-222808 | Huawei, Ericsson, MATRIXX Software | agreed | S5-223211 | - |
| S5-223723 | Rel-16 CR 32.291 Correction on the Time attribute | Huawei,Deutsche Telekom | agreed | S5-223281 | - |
| S5-223724 | Rel-17 CR 32.298 Correction on the QoS Monitoring Report | Huawei | agreed | - | - |
| S5-223725 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-223726 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-223727 | Latest draft TR 28.832 | China Unicom | approved | - | - |
| S5-223728 | Latest draft TR 28.833 | China mobile | approved | - | - |
| S5-223729 | Latest draft TR 28.834 | China Mobile | approved | - | - |
| S5-223730 | Latest draft TR 28.835 | China Unicom | approved | - | - |
| S5-223731 | Latest draft TR 28.819 | China Mobile | approved | - | - |
| S5-223732 | Latest draft TR 28.837 | Nokia | approved | - | - |
| S5-223733 | Latest draft TR 28.907 | Huawei | approved | - | - |
| S5-223734 | Latest draft TR 28.829 | Samsung | approved | - | - |
| S5-223735 | Latest draft TR 28.865 | Huawei | approved | - | - |
| S5-223736 | Latest draft TR 28.824 | Alibaba | approved | - | - |
| S5-223737 | Latest draft TR 28.903 | Huawei | approved | - | - |
| S5-223738 | Latest draft TS 28.312 | Huawei | approved | - | - |
| S5-223739 | Latest draft TS 28.104 | Intel | approved | - | - |
| S5-223740 | Latest draft TS 28.105 | Intel | approved | - | - |
| S5-223741 | pCR TR 28.863 Key Issue#1 Definition of KQI | Huawei | approved | S5-223436 | - |
| S5-223742 | Rel-17 CR 28.541 Network slice subnet provider capability IOC | Samsung R&D Institute India | agreed | S5-223213 | - |
| S5-223743 | Rel-17 CR 28.531 Network slice subnet capabilities | Samsung R&D Institute India | agreed | S5-223216 | - |
| S5-223744 | Discussion paper on filtering, enrichment and converting of management information | Ericsson LM, Deutsche Telekom | noted | S5-223231 | - |
| S5-223745 | Rel-17 pCR TS 28.105 Update the definition of performanceScore | Huawei | approved | S5-223382 | - |
| S5-223746 | Alignment of 28404 with 28405 | Ericsson Limited | agreed | S5-223506 | - |
| S5-223747 | Attribute updates | Ericsson Limited | agreed | S5-223512 | - |
| S5-223748 | pCR 28.104 Handover Optimization | Samsung R&D Institute India | approved | S5-223210 | - |
| S5-223749 | pCR draft TS28.104, add reporting MnS components | NEC, Intel | approved | S5-223485 | - |
| S5-223750 | Stage 2 solution for paging analytics use case | Nokia, Nokia Shangai Bell, Samsung | approved | S5-223349 | - |
| S5-223751 | Latest draft TR 28.863 | Huawei | approved | - | - |
| S5-223752 | DraftCR for eECM – TS 28.538 | Samsung | approved | - | - |

### A2: Tdoc decision timing

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| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S5-223000 | 19/05/2022 13:44:12 | approved |
| S5-223001 | 19/05/2022 13:44:16 | approved |
| S5-223002 | 19/05/2022 14:03:03 | approved |
| S5-223004 | 19/05/2022 14:06:32 | noted |
| S5-223005 | 19/05/2022 14:06:37 | noted |
| S5-223007 | 19/05/2022 14:06:48 | noted |
| S5-223008 | 19/05/2022 11:12:38 | revised |
| S5-223009 | 19/05/2022 11:19:26 | noted |
| S5-223010 | 19/05/2022 14:04:01 | approved |
| S5-223011 | 19/05/2022 14:04:04 | approved |
| S5-223012 | 19/05/2022 14:06:18 | revised |
| S5-223013 | 19/05/2022 14:06:55 | noted |
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| S5-223016 | 19/05/2022 14:11:05 | replied to |
| S5-223017 | 19/05/2022 14:14:35 | postponed |
| S5-223018 | 19/05/2022 14:14:46 | replied to |
| S5-223019 | 19/05/2022 14:17:16 | replied to |
| S5-223020 | 19/05/2022 14:04:20 | replied to |
| S5-223021 | 19/05/2022 14:05:13 | noted |
| S5-223022 | 19/05/2022 14:05:18 | noted |
| S5-223023 | 19/05/2022 11:19:32 | noted |
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| S5-223125 | 20/05/2022 09:28:42 | revised |
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| S5-223270 | 20/05/2022 13:47:32 | noted |
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| S5-223287 | 19/05/2022 13:19:21 | revised |
| S5-223288 | 19/05/2022 13:19:35 | revised |
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| S5-223290 | 19/05/2022 13:23:01 | noted |
| S5-223291 | 19/05/2022 13:23:05 | noted |
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| S5-223297 | 19/05/2022 13:30:05 | agreed |
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| S5-223312 | 20/05/2022 09:34:18 | agreed |
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| S5-223489 | 20/05/2022 10:21:03 | noted |
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| S5-223491 | 20/05/2022 09:59:38 | revised |
| S5-223492 | 20/05/2022 14:04:35 | revised |
| S5-223493 | 20/05/2022 09:59:43 | noted |
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| S5-223496 | 20/05/2022 14:09:58 | agreed |
| S5-223497 | 20/05/2022 14:16:58 | agreed |
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| S5-223511 | 20/05/2022 13:38:51 | noted |
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| S5-223525 | 19/05/2022 14:36:48 | approved |
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| S5-223590 | 25/05/2022 14:39:11 | agreed |
| S5-223591 | 20/05/2022 14:05:43 | agreed |
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| S5-223597 | 20/05/2022 10:31:14 | approved |
| S5-223598 | 20/05/2022 10:31:23 | approved |
| S5-223599 | 20/05/2022 10:31:33 | approved |
| S5-223600 | 20/05/2022 10:31:49 | approved |
| S5-223601 | 20/05/2022 10:31:58 | approved |
| S5-223602 | 20/05/2022 13:16:39 | approved |
| S5-223603 | 20/05/2022 13:16:40 | approved |
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| S5-223605 | 20/05/2022 13:21:35 | reserved |
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| S5-223606 | 20/05/2022 13:21:52 | approved |
| S5-223607 | 20/05/2022 13:22:03 | approved |
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| S5-223611 | 25/05/2022 14:39:36 | approved |
| S5-223612 | 20/05/2022 13:26:54 | reserved |
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| S5-223641 | 20/05/2022 13:50:22 | approved |
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| S5-223642 | 20/05/2022 13:56:54 | approved |
| S5-223643 | 20/05/2022 13:57:17 | approved |
| S5-223644 | 20/05/2022 13:57:35 | reserved |
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| S5-223645 | 20/05/2022 13:58:42 | approved |
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| S5-223692 | 19/05/2022 13:28:13 | agreed |
| S5-223693 | 19/05/2022 13:28:23 | agreed |
| S5-223694 | 19/05/2022 13:24:28 | agreed |
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| S5-223743 | 20/05/2022 14:07:18 | agreed |
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| S5-223748 | 20/05/2022 13:47:09 | reserved |
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| S5-223749 | 20/05/2022 13:58:13 | approved |
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| S5-223750 | 25/05/2022 14:37:38 | approved |
| S5-223751 | 20/05/2022 13:27:54 | reserved |
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| S5-223752 | 19/05/2022 12:34:47 | reserved |
| S5-223752 | 19/05/2022 13:07:12 | approved |
| S5-223752 | 20/05/2022 13:56:34 | reserved |
| S5-223752 | 25/05/2022 14:37:50 | approved |
| S5-223753 | 20/05/2022 10:19:54 | approved |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-223198 | Rel-18 CR 28.313 Correct non-inclusive language | Intel Korea, Ltd. | 28.313 | 0048 | - | Rel-17 | F | TEI17 | agreed |
| S5-223506 | Alignment of 28404 with 28405 | Ericsson Limited | 28.404 | 0007 | - | Rel-17 | F | eQoE | revised |
| S5-223746 | Alignment of 28404 with 28405 | Ericsson Limited | 28.404 | 0007 | 1 | Rel-17 | F | eQoE | agreed |
| S5-223509 | Adding Signaling Based Activation for NR | Ericsson Limited | 28.405 | 0009 | - | Rel-17 | B | eQoE | not pursued |
| S5-223510 | Handling QMC measurements at Handover for NR | Ericsson Limited | 28.405 | 0010 | - | Rel-17 | B | eQoE | not pursued |
| S5-223512 | Attribute updates | Ericsson Limited | 28.405 | 0011 | - | Rel-17 | F | eQoE | revised |
| S5-223747 | Attribute updates | Ericsson Limited | 28.405 | 0011 | 1 | Rel-17 | F | eQoE | agreed |
| S5-223204 | Rel-17 CR 28.538 Notifications | Samsung R&D Institute India | 28.500 | 0007 | - | Rel-17 | F | ECM | withdrawn |
| S5-223051 | Rel-17 CR TS 28.531 Update procedure of reservation and checking feasibility of network slice subnet | Nokia, Nokia Shanghai Bell, Huawei, China Unicom, Deutsche Telekom,China Mobile,Ericsson | 28.531 | 0106 | - | Rel-17 | B | eNETSLICE\_PRO | agreed |
| S5-223074 | Rel-17 CR TS28531 Update procedure of reservation and checking feasibility of network slice | Nokia, Nokia Shanghai Bell | 28.531 | 0107 | - | Rel-17 | B | eNETSLICE\_PRO | revised |
| S5-223653 | Rel-17 CR TS28531 Update procedure of reservation and checking feasibility of network slice | Nokia, Nokia Shanghai Bell | 28.531 | 0107 | 1 | Rel-17 | B | eNETSLICE\_PRO | agreed |
| S5-223207 | Rel-17 CR 28.531 Deleting network slice capability exposure | Samsung R&D Institute India | 28.531 | 0108 | - | Rel-17 | F | eNETSLICE\_PRO | agreed |
| S5-223212 | Rel-17 CR 28.531 Deleting service priority | Samsung R&D Institute India | 28.531 | 0109 | - | Rel-17 | F | eNETSLICE\_PRO | not pursued |
| S5-223216 | Rel-17 CR 28.531 Network slice subnet capabilities | Samsung R&D Institute India | 28.531 | 0110 | - | Rel-17 | C | eNETSLICE\_PRO | revised |
| S5-223743 | Rel-17 CR 28.531 Network slice subnet capabilities | Samsung R&D Institute India | 28.531 | 0110 | 1 | Rel-17 | C | eNETSLICE\_PRO | agreed |
| S5-223218 | Add asynchronous network slicing provisioning procedures | Ericsson LM, Deutsche Telekom | 28.531 | 0111 | - | Rel-17 | B | eNETSLICE\_PRO | not pursued |
| S5-223221 | Specify network slicing provisioning rules requirements | Ericsson LM, Deutsche Telekom | 28.531 | 0112 | - | Rel-18 | B | NSRULE | not pursued |
| S5-223243 | Rel-17 CR 28.531 adding procedure network service priority management | Huawei | 28.531 | 0113 | - | Rel-17 | B | eNETSLICE\_PRO | revised |
| S5-223654 | Rel-17 CR 28.531 adding procedure network service priority management | Huawei | 28.531 | 0113 | 1 | Rel-17 | B | eNETSLICE\_PRO | agreed |
| S5-223308 | Rel-17 CR 28.531 Update procedure of reservation and checking feasibility of network slice subnet | Huawei,China Unicom, Deutsche Telekom,China Mobile | 28.531 | 0114 | - | Rel-17 | B | eNETSLICE\_PRO | agreed |
| S5-223421 | Rel-17 TS 28.531 Update operations of allocateNsi, allocateNssi, deallocateNsi, deallocateNssi | Nokia, Nokia Shanghai Bell | 28.531 | 0115 | - | Rel-17 | B | eNETSLICE\_PRO | revised |
| S5-223655 | Rel-17 TS 28.531 Update operations of allocateNsi, allocateNssi, deallocateNsi, deallocateNssi | Nokia, Nokia Shanghai Bell | 28.531 | 0115 | 1 | Rel-17 | B | eNETSLICE\_PRO | agreed |
| S5-223452 | Rel-17 CR TS 28.531 Update procedures for asynchronous mode of operations for Network Slice and Network Slice Subnet LCM | Nokia, Nokia Shanghai Bell | 28.531 | 0116 | - | Rel-17 | B | eNETSLICE\_PRO | not pursued |
| S5-223188 | Rel-16 CR 28.532 Correct REST SS of deleteMOI | Nokia, Nokia Shanghai Bell | 28.532 | 0199 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223189 | Rel-17 CR 28.532 Correct REST SS of deleteMOI | Nokia, Nokia Shanghai Bell | 28.532 | 0200 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223194 | Rel-17 CR 28.532 Align allowed file transfer protocols in stage 2 with stage 1 requirements | Nokia, Nokia Shanghai Bell | 28.532 | 0201 | - | Rel-17 | F | FIMA | agreed |
| S5-223306 | Rel-17 CR 28.532 Update provMnS yaml file to include the resources-intentNrm | Huawei,Deutsche Telekom | 28.532 | 0202 | - | Rel-17 | B | IDMS\_MN | agreed |
| S5-223312 | Rel-16 CR 28.532 OpenAPI file name and dependence change- part1 | Huawei | 28.532 | 0203 | - | Rel-16 | F | TEI16 | agreed |
| S5-223313 | Rel-16 CR 28.532 OpenAPI file name and dependence change- part2 | Huawei | 28.532 | 0204 | - | Rel-16 | F | TEI16 | agreed |
| S5-223315 | Rel-17 CR 28.532 OpenAPI file name and dependence change- part1 | Huawei | 28.532 | 0205 | - | Rel-17 | A | TEI16 | agreed |
| S5-223316 | Rel-17 CR 28.532 OpenAPI file name and dependence change- part2 | Huawei | 28.532 | 0206 | - | Rel-17 | A | TEI16 | agreed |
| S5-223357 | Rel-16 CR 28.532 Correct definition of Resource | Nokia, Nokia Shanghai Bell | 28.532 | 0207 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-223554 | Rel-16 CR 28.532 Correct definition of Resource | Nokia, Nokia Shanghai Bell | 28.532 | 0207 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223358 | Rel-17 CR 28.532 Correct definition of Resource | Nokia, Nokia Shanghai Bell | 28.532 | 0208 | - | Rel-17 | A | REST\_SS, TEI16 | revised |
| S5-223555 | Rel-17 CR 28.532 Correct definition of Resource | Nokia, Nokia Shanghai Bell | 28.532 | 0208 | 1 | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223359 | Rel-17 CR 28.532 Correct notifyMOIChanges (stage 2) | Nokia, Nokia Shanghai Bell | 28.532 | 0209 | - | Rel-17 | F | REST\_SS, TEI17 | revised |
| S5-223556 | Rel-17 CR 28.532 Correct notifyMOIChanges (stage 2) | Nokia, Nokia Shanghai Bell | 28.532 | 0209 | 1 | Rel-17 | F | REST\_SS, TEI17 | agreed |
| S5-223360 | Rel-17 CR 28.532 Correct notifyMOIChanges (REST SS) | Nokia, Nokia Shanghai Bell | 28.532 | 0210 | - | Rel-17 | F | REST\_SS, TEI17 | revised |
| S5-223557 | Rel-17 CR 28.532 Correct notifyMOIChanges (REST SS) | Nokia, Nokia Shanghai Bell | 28.532 | 0210 | 1 | Rel-17 | F | REST\_SS, TEI17 | agreed |
| S5-223362 | Rel-17 CR 28.532 Correct notifyMOIChanges (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | 28.532 | 0211 | - | Rel-17 | F | REST\_SS, TEI17 | revised |
| S5-223558 | Rel-17 CR 28.532 Correct notifyMOIChanges (OpenAPI definitions) | Nokia, Nokia Shanghai Bell | 28.532 | 0211 | 1 | Rel-17 | F | REST\_SS, TEI17 | agreed |
| S5-223370 | Rel-17 CR 28.532 Add alarm prediction solution (REST SS, OpenAPI definition) | Nokia, Nokia Shanghai Bell | 28.532 | 0212 | - | Rel-17 | B | eMDAS | withdrawn |
| S5-223388 | Data change notifications YANG-in-Rest format | Ericsson Hungary Ltd | 28.532 | 0213 | - | Rel-17 | F | TEI17 | revised |
| S5-223559 | Data change notifications YANG-in-Rest format | Ericsson Hungary Ltd | 28.532 | 0213 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-223399 | Rel-17 TS28.532 enhance OpenAPI to support access control | Nokia, Nokia Shanghai Bell | 28.532 | 0214 | - | Rel-17 | B | MSAC | not pursued |
| S5-223495 | Rel-16 CR 28.532 Fix FileDataType (OpenAPI) | Ericsson Inc. | 28.532 | 0215 | - | Rel-16 | F | TEI16 | agreed |
| S5-223496 | Rel-17 CR 28.532 Fix FileDataType (OpenAPI) | Ericsson Inc. | 28.532 | 0216 | - | Rel-17 | A | TEI16 | agreed |
| S5-223514 | Rel-17 CR 28.532 Clarify usage of notifyMOIChanges for NRMs defined in YANG | Nokia, Nokia Shanghai Bell | 28.532 | 0217 | - | Rel-17 | F | REST\_SS, TEI17 | merged |
| S5-223402 | Rel-17 TS28.533 enhancement to support access control | Nokia, Nokia Shanghai Bell | 28.533 | 0100 | - | Rel-17 | B | MSAC | not pursued |
| S5-223215 | CR eCOSLA for TS 28.535 | Ericsson LM | 28.535 | 0065 | - | Rel-17 | B | eCOSLA | agreed |
| S5-223371 | Remove Editor's Note in clause 4.2.5.3 | Ericsson LM, Verizon | 28.535 | 0066 | - | Rel-17 | F | eCOSLA | agreed |
| S5-223035 | Rel-16 Fixing OpenAPI Discoverability issue in CoslaNrm.yaml stage 3 | Nokia, Nokia Shangai Bell | 28.536 | 0045 | - | Rel-16 | F | TEI16 | agreed |
| S5-223036 | Rel-17 Fixing OpenAPI Discoverability issue in CoslaNrm.yaml stage 3 | Nokia, Nokia Shangai Bell | 28.536 | 0046 | - | Rel-17 | A | TEI16 | agreed |
| S5-223068 | Rel-16 CR TS 28.536 OpenAPI file name and dependence change-coslaNrm | Nokia, Nokia Shanghai Bell | 28.536 | 0047 | - | Rel-16 | F | TEI16 | agreed |
| S5-223069 | Rel-17 CR TS 28.536 OpenAPI file name and dependence change-coslaNrm | Nokia, Nokia Shanghai Bell | 28.536 | 0048 | - | Rel-17 | A | TEI16 | agreed |
| S5-223217 | CR for TS 28.536 | Ericsson LM | 28.536 | 0049 | - | Rel-17 | C | eCOSLA | agreed |
| S5-223239 | R17 Add disable list for a specific DN attribute of ACCL NRM | Lenovo, Ericsson | 28.536 | 0050 | - | Rel-17 | B | eCOSLA | revised |
| S5-223634 | R17 Add disable list for a specific DN attribute of ACCL NRM | Lenovo, Ericsson | 28.536 | 0050 | 1 | Rel-17 | B | eCOSLA | agreed |
| S5-223310 | Rel-16 CR 28.536 Minor correction on the format for cosla yaml file | Huawei | 28.536 | 0051 | - | Rel-16 | F | COSLA | agreed |
| S5-223311 | Rel-17 CR 28.536 Minor correction on the format for cosla yaml file | Huawei | 28.536 | 0052 | - | Rel-17 | A | COSLA | agreed |
| S5-223375 | Correct attribute properties in assuranceTargetList | Ericsson LM | 28.536 | 0053 | - | Rel-16 | F | COSLA | agreed |
| S5-223377 | Correct attribute properties in assuranceTargetList | Ericsson LM | 28.536 | 0054 | - | Rel-17 | A | COSLA | agreed |
| S5-223494 | R17 CR for Stage 3 for enabledordisabled list | Lenovo Information Technology | 28.536 | 0055 | - | Rel-17 | F | eCOSLA | not pursued |
| S5-223133 | Rel-17 CR for TS28.537 editorialCorrections | ZTE Corporation | 28.537 | 0009 | - | Rel-17 | F | TEI17 | revised |
| S5-223539 | Rel-17 CR for TS28.537 editorialCorrections | ZTE Corporation | 28.537 | 0009 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-223590 | Rel-17 CR 28.537 Add requirements for management data collection and discovery | Nokia | 28.537 | 0010 | - | Rel-17 | B | MADCOL | agreed |
| S5-223037 | Rel-17 Fixing OpenAPI Discoverability issue in EdgeNrm.yaml stage 3 | Nokia, Nokia Shangai Bell | 28.538 | 0001 | - | Rel-17 | F | TEI17 | agreed |
| S5-223038 | Rel-17 CR 28.538 Add the concept for edge computing management | Intel Korea, Ltd., Samsung | 28.538 | 0002 | - | Rel-17 | C | ECM | agreed |
| S5-223039 | Rel-17 CR 28.538 Add the missing procedure not implemented from approved pCR | Intel Korea, Ltd. | 28.538 | 0003 | - | Rel-17 | F | ECM | agreed |
| S5-223040 | Rel-17 CR 28.538 Add the terminologies for PLMN and ECSP management systems | Intel Korea, Ltd. | 28.538 | 0004 | - | Rel-17 | F | ECM | agreed |
| S5-223041 | Rel-17 CR 28.538 Add editorial changes | Intel Korea, Ltd. | 28.538 | 0005 | - | Rel-17 | F | ECM | not pursued |
| S5-223072 | Rel-17 CR TS 28.538 OpenAPI file name and dependence change-edgeNrm | Nokia, Nokia Shanghai Bell | 28.538 | 0006 | - | Rel-17 | F | TEI17 | revised |
| S5-223537 | Rel-17 CR TS 28.538 OpenAPI file name and dependence change-edgeNrm | Nokia, Nokia Shanghai Bell | 28.538 | 0006 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-223079 | Rel-18 CR 28.538 Revise EAS VNF instantiation procedure | Intel Korea, Ltd. | 28.538 | 0007 | - | Rel-18 | C | eECM | not pursued |
| S5-223080 | Rel-18 CR 28.538 Revise EAS VNF termination procedure | Intel Korea, Ltd. | 28.538 | 0008 | - | Rel-18 | C | eECM | not pursued |
| S5-223081 | Rel-18 CR 28.538 Add EAS VNF update procedure | Intel Korea, Ltd. | 28.538 | 0009 | - | Rel-18 | C | eECM | not pursued |
| S5-223205 | Rel-17 CR 28.538 Notifications | Samsung R&D Institute India | 28.538 | 0010 | - | Rel-17 | F | ECM | agreed |
| S5-223206 | Rel-17 CR 28.538 Resolving ED | Samsung R&D Institute India | 28.538 | 0011 | - | Rel-17 | F | ECM | agreed |
| S5-223249 | Rel-17 CR 28.538 update description of ECM LCM | Huawei | 28.538 | 0012 | - | Rel-17 | F | ECM | agreed |
| S5-223250 | Rel-17 CR 28.538 update ECM NRM stage 2 | Huawei | 28.538 | 0013 | - | Rel-17 | F | ECM | agreed |
| S5-223251 | Rel-17 CR 28.538 update ECM NRM stage 3 | Huawei | 28.538 | 0014 | - | Rel-17 | F | ECM | agreed |
| S5-223254 | Rel-17 CR 28.538 correct EAS lifecycle management procedure | Huawei | 28.538 | 0015 | - | Rel-17 | F | ECM | agreed |
| S5-223490 | Rel-17 CR 28.541 Update Figure L.2.1 and accompanying paragraph. | TELEFONICA S.A. | 28.541 | 0642 | 1 | Rel-17 | F | EMA5SLA | revised |
| S5-223562 | Rel-17 CR 28.541 Update Figure L.2.1 and accompanying paragraph. | TELEFONICA S.A. | 28.541 | 0642 | 2 | Rel-17 | F | EMA5SLA | agreed |
| S5-223029 | Rel-17 CR 28.541 Correct maximumDeviationHoTrigger for D-LBO | Ericsson France S.A.S | 28.541 | 0683 | - | Rel-17 | F | eSON\_5G | agreed |
| S5-223033 | Rel-16 CR 28.541 Diagram fix for NRM fragment for RRM policies | Nokia, Nokia Shanghai Bell | 28.541 | 0684 | - | Rel-16 | F | TEI16 | agreed |
| S5-223034 | Rel-17 TS 28.541 Diagram fix for NRM fragment for RRM policies | Nokia, Nokia Shanghai Bell | 28.541 | 0685 | - | Rel-17 | A | TEI16 | agreed |
| S5-223042 | Rel-16 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0686 | - | Rel-16 | F | TEI16 | agreed |
| S5-223043 | Rel-16 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-nrNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0687 | - | Rel-16 | F | TEI16 | agreed |
| S5-223044 | Rel-16 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0688 | - | Rel-16 | F | TEI16 | agreed |
| S5-223045 | Rel-17 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0689 | - | Rel-17 | A | TEI16 | agreed |
| S5-223046 | Rel-17 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-nrNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0690 | - | Rel-17 | A | TEI16 | agreed |
| S5-223047 | Rel-17 TS 28.541 Fixing OpenAPI Discoverability issue in Stage3-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0691 | - | Rel-17 | A | TEI16 | agreed |
| S5-223048 | Rel-16 TS 28.541 CT OpenAPI file relative-path URI references and dependence change for 5gcNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0692 | - | Rel-16 | F | TEI16 | agreed |
| S5-223049 | Rel-17 TS 28.541 CT OpenAPI file relative-path URI references and dependence change for 5gcNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0693 | - | Rel-17 | A | TEI16 | agreed |
| S5-223050 | TS 28.541 Fixing a few issues with attribute related to nextHopInfoList in EP\_transport | Nokia, Nokia Shanghai Bell, KDDI, TELUS, Juniper Networks | 28.541 | 0694 | - | Rel-17 | F | TEI17 | agreed |
| S5-223052 | Rel-16 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0695 | - | Rel-16 | F | TEI16 | revised |
| S5-223527 | Rel-16 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0695 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-223053 | Rel-16 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0696 | - | Rel-16 | F | TEI16 | revised |
| S5-223528 | Rel-16 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0696 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-223054 | Rel-16 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0697 | - | Rel-16 | F | TEI16 | revised |
| S5-223529 | Rel-16 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0697 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-223055 | Rel-17 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0698 | - | Rel-17 | A | TEI16 | revised |
| S5-223530 | Rel-17 TS 28.541 OpenAPI file name and dependence change-5gcNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0698 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-223056 | Rel-17 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0699 | - | Rel-17 | A | TEI16 | revised |
| S5-223531 | Rel-17 TS 28.541 OpenAPI file name and dependence change-nrNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0699 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-223057 | Rel-17 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0700 | - | Rel-17 | A | TEI16 | revised |
| S5-223532 | Rel-17 TS 28.541 OpenAPI file name and dependence change-sliceNrm.yaml | Nokia, Nokia Shanghai Bell | 28.541 | 0700 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-223062 | Rel-16 CR TS 28.541 Correction to RRMPolicy\_ IOC reference in RRMPolicyRatio IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0701 | - | Rel-16 | F | TEI16 | agreed |
| S5-223063 | Rel-17 CR TS 28.541 Correction to RRMPolicy\_ IOC reference in RRMPolicyRatio IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0702 | - | Rel-17 | A | TEI16 | agreed |
| S5-223064 | Rel-16 CR TS 28.541 Add attribute properties for NetworkSliceSubnet attribute priorityLabel | Nokia, Nokia Shanghai Bell | 28.541 | 0703 | - | Rel-16 | F | TEI16 | agreed |
| S5-223065 | Rel-17 CR TS 28.541 Add attribute properties for NetworkSliceSubnet attribute priorityLabel | Nokia, Nokia Shanghai Bell | 28.541 | 0704 | - | Rel-17 | A | TEI16 | agreed |
| S5-223066 | Rel-17 CR TS 28.541 Fix to change Support Qualifier to S | Nokia, Nokia Shanghai Bell | 28.541 | 0705 | - | Rel-17 | F | TEI17 | agreed |
| S5-223067 | Rel-17 CR TS 28.541 Define LogicInterfaceInfo datatype and fix attribute properties for logicInterfaceInfo | Nokia, Nokia Shanghai Bell | 28.541 | 0706 | - | Rel-17 | F | TEI17 | agreed |
| S5-223073 | Rel-17 CR TS28541 Correction to property of EP\_Transport attribute ipAddress | Nokia, Nokia Shanghai Bell | 28.541 | 0707 | - | Rel-17 | F | TEI17 | not pursued |
| S5-223146 | Rel-17 CR TS28541 Fixing attribute properties for ServiceProfile attribute networkSliceSharingIndicator | Nokia, Nokia Shanghai Bell | 28.541 | 0708 | - | Rel-17 | F | TEI17 | revised |
| S5-223541 | Rel-17 CR TS28541 Fixing attribute properties for ServiceProfile attribute networkSliceSharingIndicator | Nokia, Nokia Shanghai Bell | 28.541 | 0708 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-223155 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | 28.541 | 0709 | - | Rel-16 | F | eNRM | revised |
| S5-223544 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | 28.541 | 0709 | 1 | Rel-16 | F | eNRM | agreed |
| S5-223186 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | 28.541 | 0710 | - | Rel-17 | A | eNRM | revised |
| S5-223545 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | 28.541 | 0710 | 1 | Rel-17 | A | eNRM | agreed |
| S5-223202 | Rel-18 CR 28.541 Access specific GST configuration | Samsung R&D Institute India | 28.541 | 0711 | - | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-223213 | Rel-17 CR 28.541 Network slice subnet provider capability IOC | Samsung R&D Institute India | 28.541 | 0712 | - | Rel-17 | B | eNETSLICE\_PRO | revised |
| S5-223742 | Rel-17 CR 28.541 Network slice subnet provider capability IOC | Samsung R&D Institute India | 28.541 | 0712 | 1 | Rel-17 | B | eNETSLICE\_PRO | agreed |
| S5-223220 | Add Job IOCs for asynchronous network slicing provisioning procedures | Ericsson LM, Deutsche Telekom | 28.541 | 0713 | - | Rel-17 | B | eNETSLICE\_PRO | not pursued |
| S5-223222 | Add network slice rules to NRM | Ericsson LM, Deutsche Telekom | 28.541 | 0714 | - | Rel-18 | B | NSRULE | not pursued |
| S5-223232 | Rel-17 CR 28.541 Correction on two SLA attributes | Huawei | 28.541 | 0715 | - | Rel-17 | F | EMA5SLA | agreed |
| S5-223233 | Rel-17 CR 28.541 Correction on attribute latency of SubnetProfiles | Huawei | 28.541 | 0716 | - | Rel-17 | F | EMA5SLA | agreed |
| S5-223295 | Rel-18 network slice isolation | Nokia, Nokia Shanghai Bell, Huawei | 28.541 | 0717 | - | Rel-18 | B | NSRULE | not pursued |
| S5-223302 | Rel-16 CR 28.541 Correction on minor errrors in nrNRM.yaml | Huawei | 28.541 | 0718 | - | Rel-16 | F | eNRM | agreed |
| S5-223303 | Rel-17 CR 28.541 Correction on minor errrors in nrNRM.yaml | Huawei | 28.541 | 0719 | - | Rel-17 | A | eNRM | agreed |
| S5-223304 | Rel-16 CR 28.541 Correcton on the attribute definition in the wrong yaml file | Huawei | 28.541 | 0720 | - | Rel-16 | F | eNRM | agreed |
| S5-223305 | Rel-17 CR 28.541 Correcton on the attribute definition in the wrong yaml file | Huawei | 28.541 | 0721 | - | Rel-17 | A | eNRM | agreed |
| S5-223307 | Rel-17 CR 28.541 Add feasibility check NRM fragment | Huawei,China Unicom, Deutsche Telekom,China Mobile, Samsung, Nokia, TELUS, KDDI,Ericsson | 28.541 | 0722 | - | Rel-17 | B | eNETSLICE\_PRO | agreed |
| S5-223309 | Rel-17 CR TS 28.541 Address the unnecessary reference for the yaml file | Huawei | 28.541 | 0723 | - | Rel-17 | F | adNRM | agreed |
| S5-223451 | Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0724 | - | Rel-17 | F | eNETSLICE\_PRO | not pursued |
| S5-223453 | Rel-17 CR TS 28.541 Add lifecycleState and availabilityStatus attributes to NetworkSlice and NetworkSliceSubnet | Nokia, Nokia Shanghai Bell | 28.541 | 0725 | - | Rel-17 | B | eNETSLICE\_PRO | not pursued |
| S5-223497 | Rel-16 CR 28.541 Fix BWP association to NRCellDU | Ericsson Inc. | 28.541 | 0726 | - | Rel-16 | F | eNRM | agreed |
| S5-223498 | Rel-17 CR 28.541 Fix BWP association to NRCellDU | Ericsson Inc. | 28.541 | 0727 | - | Rel-17 | A | eNRM | agreed |
| S5-223500 | Rel-16 CR 28.541 Update 5QI set attribute definition | Ericsson Inc. | 28.541 | 0728 | - | Rel-16 | F | eNRM | agreed |
| S5-223501 | Rel-17 CR 28.541 Update 5QI set description (YANG) | Ericsson Inc. | 28.541 | 0729 | - | Rel-17 | A | eNRM | agreed |
| S5-223502 | Rel-16 CR 28.541 Update 5QI set description (YANG) | Ericsson Inc. | 28.541 | 0730 | - | Rel-16 | F | eNRM | agreed |
| S5-223503 | Rel-17 CR 28.541 Update 5QI set attribute definition | Ericsson Inc. | 28.541 | 0731 | - | Rel-17 | A | eNRM | agreed |
| S5-223314 | Rel-16 CR 28.550 OpenAPI file name and dependence change | Huawei | 28.550 | 0069 | - | Rel-16 | F | TEI16 | agreed |
| S5-223317 | Rel-17 CR 28.550 OpenAPI file name and dependence change | Huawei | 28.550 | 0070 | - | Rel-17 | A | TEI16 | agreed |
| S5-223422 | Add granularity period examples | Ericsson LM | 28.550 | 0071 | - | Rel-15 | F | TEI15 | not pursued |
| S5-223423 | Add granularity period examples | Ericsson LM | 28.550 | 0072 | - | Rel-16 | A | TEI15 | not pursued |
| S5-223425 | Add granularity period examples | Ericsson LM | 28.550 | 0073 | - | Rel-17 | A | TEI15 | not pursued |
| S5-223028 | Rel-17 CR 28.552 Correct implementation mistakes | Ericsson France S.A.S, Nokia | 28.552 | 0363 | - | Rel-17 | F | E\_HOO | agreed |
| S5-223124 | Rel-17 Correct the definition of DRB setup related counters | Nubia Technology Co.,Ltd | 28.552 | 0364 | - | Rel-17 | F | ePM\_KPI\_5G | agreed |
| S5-223134 | Rel-17 CR for TS28.552 editorialCorrections | ZTE Corporation | 28.552 | 0365 | - | Rel-17 | F | TEI17 | revised |
| S5-223540 | Rel-17 CR for TS28.552 editorialCorrections | ZTE Corporation | 28.552 | 0365 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-223177 | Rel-17 CR 28.552 Correct handover execution failure per beam pair measurement | Nokia, Nokia Shanghai Bell | 28.552 | 0366 | - | Rel-17 | F | ePM\_KPI\_5G | agreed |
| S5-223178 | Rel-16 CR 28.552 Clean up of PM related to MRO | Nokia, Nokia Shanghai Bell | 28.552 | 0367 | - | Rel-16 | F | ePM\_KPI\_5G | agreed |
| S5-223179 | Rel-17 CR 28.552 Clean up of PM related to MRO | Nokia, Nokia Shanghai Bell | 28.552 | 0368 | - | Rel-17 | A | ePM\_KPI\_5G | agreed |
| S5-223203 | Rel-17 CR 28.552 Mean number of DRBs undergoing from User Plane Path Failures | Samsung R&D Institute India | 28.552 | 0369 | - | Rel-17 | B | eMDAS | agreed |
| S5-223299 | Rel-17 CR for TS28.552 Change the measurement object class to support MOCN network sharing with multiple Cell Identity broadcast scenarios | ZTE Corporation | 28.552 | 0370 | - | Rel-17 | F | MANS | not pursued |
| S5-223300 | Rel-17 CR for TS28.552 Add the measurement object class to support MOCN network sharing with multiple Cell Identity broadcast scenarios | ZTE Corporation | 28.552 | 0371 | - | Rel-17 | F | MANS | not pursued |
| S5-223301 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions | ZTE Corporation | 28.552 | 0372 | - | Rel-17 | F | ePM\_KPI\_5G | not pursued |
| S5-223483 | CR Rel-17 28.552 Enhance UE Context Release measurements for MDA | Intel | 28.552 | 0373 | - | Rel-17 | B | eMDAS | agreed |
| S5-223591 | Rel-17 CR 28.552 performance measurements for ECS - Service Provisioning | Samsung Electronics Benelux BV | 28.552 | 0374 | - | Rel-17 | B | ECM | agreed |
| S5-223252 | Rel-16 CR 28.554 update formula of of PDU session establishment success rate | Huawei | 28.554 | 0094 | - | Rel-16 | F | 5G\_SLICE\_ePA | agreed |
| S5-223253 | Rel-17 CR 28.554 update formula of of PDU session establishment success rate | Huawei | 28.554 | 0095 | - | Rel-17 | A | 5G\_SLICE\_ePA | agreed |
| S5-223076 | Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC | Intel Korea, Ltd. | 28.622 | 0148 | - | Rel-17 | B | eECM | withdrawn |
| S5-223078 | Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC | Intel Korea, Ltd. | 28.622 | 0149 | - | Rel-18 | B | eECM | not pursued |
| S5-223152 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | 28.622 | 0150 | - | Rel-16 | F | eNRM | revised |
| S5-223542 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | 28.622 | 0150 | 1 | Rel-16 | F | eNRM | agreed |
| S5-223153 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | 28.622 | 0151 | - | Rel-17 | A | eNRM | revised |
| S5-223543 | Correct isOrdered-isUnique for multivalue attributes | Ericsson Hungary Ltd | 28.622 | 0151 | 1 | Rel-17 | A | eNRM | agreed |
| S5-223165 | Rel-17 CR 28.622 Add missing definitions of common data types | Nokia, Nokia Shanghai Bell | 28.622 | 0152 | - | Rel-18 | B | adNRM\_Ph2 | not pursued |
| S5-223167 | Rel-16 CR 28.622 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 2) | Nokia, Nokia Shanghai Bell | 28.622 | 0153 | - | Rel-16 | F | 5GMDT | agreed |
| S5-223168 | Rel-17 CR 28.622 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 2) | Nokia, Nokia Shanghai Bell | 28.622 | 0154 | - | Rel-17 | A | 5GMDT | agreed |
| S5-223171 | Rel-16 CR 28.622 Clean up of attribute properties | Nokia, Nokia Shanghai Bell | 28.622 | 0155 | - | Rel-16 | F | eNRM | agreed |
| S5-223172 | Rel-17 CR 28.622 Clean up of attribute properties | Nokia, Nokia Shanghai Bell | 28.622 | 0156 | - | Rel-17 | A | eNRM | agreed |
| S5-223199 | Alarm Handling Clarifications | Ericsson Hungary Ltd | 28.622 | 0157 | - | Rel-16 | F | eNRM | revised |
| S5-223548 | Alarm Handling Clarifications | Ericsson Hungary Ltd | 28.622 | 0157 | 1 | Rel-16 | F | eNRM | agreed |
| S5-223200 | Alarm Handling Clarifications | Ericsson Hungary Ltd | 28.622 | 0158 | - | Rel-17 | A | eNRM | revised |
| S5-223549 | Alarm Handling Clarifications | Ericsson Hungary Ltd | 28.622 | 0158 | 1 | Rel-17 | A | eNRM | agreed |
| S5-223366 | Rel-17 CR 28.532 Add alarm prediction solution (stage 2) | Nokia, Nokia Shanghai Bell | 28.622 | 0159 | - | Rel-17 | B | eMDAS | not pursued |
| S5-223400 | Rel-17 TS28.622 enhance NRM to support access control | Nokia, Nokia Shanghai Bell | 28.622 | 0160 | - | Rel-17 | B | MSAC | not pursued |
| S5-223405 | Rel-15 CR 28.622 Clarification for IRP and SBMA framework | Nokia, Nokia Shanghai Bell | 28.622 | 0161 | - | Rel-15 | F | TEI15 | not pursued |
| S5-223406 | Rel-16 CR 28.622 Clarification for IRP and SBMA framework | Nokia, Nokia Shanghai Bell | 28.622 | 0162 | - | Rel-16 | A | TEI15 | not pursued |
| S5-223407 | Rel-17 CR 28.622 Clarification for IRP and SBMA framework | Nokia, Nokia Shanghai Bell | 28.622 | 0163 | - | Rel-17 | A | TEI15 | not pursued |
| S5-223484 | CR Rel-17 28.622 Generalize the ThresholdInfo data type | Intel | 28.622 | 0164 | - | Rel-17 | C | eMDAS | not pursued |
| S5-223511 | Adding QMCJob | Ericsson Limited | 28.622 | 0165 | - | Rel-17 | B | eQoE | not pursued |
| S5-223588 | Rel-17 CR 28.622 Add stage 2 for management data collection and discovery | Nokia | 28.622 | 0166 | - | Rel-17 | B | MADCOL | agreed |
| S5-223030 | Rel-16 CR 28.623 Stage 3 Yang fix for 3GPP Common Trace | Nokia, Nokia Shanghai Bell, Ericsson | 28.623 | 0157 | - | Rel-16 | F | TEI16 | withdrawn |
| S5-223031 | Rel-16 CR 28.623 Stage 3 Yang fix for 3GPP Common Trace | Nokia, Nokia Shanghai Bell, Ericsson | 28.623 | 0158 | - | Rel-16 | F | TEI16 | agreed |
| S5-223032 | Rel 17 TS 28.623 Stage 3 Yang fix for 3GPP Common Trace | Nokia, Nokia Shanghai Bell, Ericsson | 28.623 | 0159 | - | Rel-17 | A | TEI16 | agreed |
| S5-223058 | Rel-16 TS 28.623 OpenAPI file name and dependence change-comDefs | Nokia, Nokia Shanghai Bell | 28.623 | 0160 | - | Rel-16 | F | TEI16 | revised |
| S5-223533 | Rel-16 TS 28.623 OpenAPI file name and dependence change-comDefs | Nokia, Nokia Shanghai Bell | 28.623 | 0160 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-223059 | Rel-16 TS 28.623 OpenAPI file name and dependence change-genericNrm | Nokia, Nokia Shanghai Bell | 28.623 | 0161 | - | Rel-16 | F | TEI16 | revised |
| S5-223534 | Rel-16 TS 28.623 OpenAPI file name and dependence change-genericNrm | Nokia, Nokia Shanghai Bell | 28.623 | 0161 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-223060 | Rel-17 TS 28.623 OpenAPI file name and dependence change-comDefs | Nokia, Nokia Shanghai Bell | 28.623 | 0162 | - | Rel-17 | A | TEI16 | revised |
| S5-223535 | Rel-17 TS 28.623 OpenAPI file name and dependence change-comDefs | Nokia, Nokia Shanghai Bell | 28.623 | 0162 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-223061 | Rel-17 TS 28.623 OpenAPI file name and dependence change-genericNrm | Nokia, Nokia Shanghai Bell | 28.623 | 0163 | - | Rel-17 | A | TEI16 | revised |
| S5-223536 | Rel-17 TS 28.623 OpenAPI file name and dependence change-genericNrm | Nokia, Nokia Shanghai Bell | 28.623 | 0163 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-223077 | Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC | Intel Korea, Ltd. | 28.623 | 0164 | - | Rel-18 | B | eECM | not pursued |
| S5-223125 | yaml indentation correction for comDefs.yaml | Nokia, Nokia Shanghai Bell | 28.623 | 0165 | - | Rel-16 | F | TEI16 | revised |
| S5-223538 | yaml indentation correction for comDefs.yaml | Nokia, Nokia Shanghai Bell | 28.623 | 0165 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-223126 | yaml indentation correction for comDefs.yam | Nokia, Nokia Shanghai Bell | 28.623 | 0166 | - | Rel-17 | A | TEI16 | agreed |
| S5-223169 | Rel-16 CR 28.623 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 3) | Nokia, Nokia Shanghai Bell | 28.623 | 0167 | - | Rel-16 | F | 5GMDT | agreed |
| S5-223170 | Rel-17 CR 28.623 Alignment of attribute names of TraceJob IOC to TS 32.422 (stage 3) | Nokia, Nokia Shanghai Bell | 28.623 | 0168 | - | Rel-17 | A | 5GMDT | agreed |
| S5-223244 | Rel-17 CR 28.623 Fix description of attribute mnsScope | Huawei | 28.623 | 0169 | - | Rel-17 | F | TEI17 | agreed |
| S5-223401 | Rel-17 TS28.623 enhance NRM to support access control Stage 3 | Nokia, Nokia Shanghai Bell | 28.623 | 0170 | - | Rel-17 | B | MSAC | not pursued |
| S5-223431 | Rel-17 CR 28.623 Add QMC job, stage 3 (YANG) | Ericsson Inc. | 28.623 | 0171 | - | Rel-17 | B | eQoE | not pursued |
| S5-223454 | Rel-17 CR TS 28.623 Add AvailabilityStatus and LifecycleState to comDefs | Nokia, Nokia Shanghai Bell | 28.623 | 0172 | - | Rel-17 | B | eNETSLICE\_PRO | not pursued |
| S5-223507 | Rel-16 CR 28.623 Alignment of attribute values of attribute tjMDTReportInterval to TS 32.422, TS 38.413 and TS 38.423 | Nokia, Nokia Shanghai Bell | 28.623 | 0173 | - | Rel-16 | F | 5GMDT | agreed |
| S5-223508 | Rel-17 CR 28.623 Alignment of attribute values of attribute tjMDTReportInterval to TS 32.422, TS 38.413 and TS 38.423 | Nokia, Nokia Shanghai Bell | 28.623 | 0174 | - | Rel-17 | A | 5GMDT | agreed |
| S5-223589 | Rel-17 CR 28.623 Add stage 3 for management data collection and discovery (OpenAPI definitions) | Nokia | 28.623 | 0175 | - | Rel-17 | B | MADCOL | agreed |
| S5-223331 | Rel-17 TS 28.658 Non-inclusive language correction | HuaWei Technologies Co., Ltd | 28.658 | 0061 | - | Rel-17 | F | TEI17 | agreed |
| S5-223332 | CR Rel-17 TS 28.659 Non-inclusive language correction | HuaWei Technologies Co., Ltd | 28.659 | 0040 | - | Rel-17 | F | TEI17 | agreed |
| S5-223419 | Rel-16 CR 32.156 Clarification of property defaultValue | Nokia, Nokia Shanghai Bell | 32.156 | 0041 | - | Rel-16 | F | eNRM | revised |
| S5-223560 | Rel-16 CR 32.156 Clarification of property defaultValue | Nokia, Nokia Shanghai Bell | 32.156 | 0041 | 1 | Rel-16 | F | eNRM | agreed |
| S5-223420 | Rel-17 CR 32.156 Clarification of property defaultValue | Nokia, Nokia Shanghai Bell | 32.156 | 0042 | - | Rel-17 | A | eNRM | revised |
| S5-223561 | Rel-17 CR 32.156 Clarification of property defaultValue | Nokia, Nokia Shanghai Bell | 32.156 | 0042 | 1 | Rel-17 | A | eNRM | agreed |
| S5-223127 | Rel-16 CR 32.158 Add definition of secondary resource | Nokia, Nokia Shanghai Bell | 32.158 | 0022 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223128 | Rel-17 CR 32.158 Add definition of secondary resource | Nokia, Nokia Shanghai Bell | 32.158 | 0023 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223129 | Rel-16 CR 32.158 Add definition of resource "/{MnSName}/{MnSVersion}" | Nokia, Nokia Shanghai Bell | 32.158 | 0024 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223130 | Rel-17 CR 32.158 Add definition of resource "/{MnSName}/{MnSVersion}" | Nokia, Nokia Shanghai Bell | 32.158 | 0025 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223132 | Rel-16 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Producer | Nokia, Nokia Shanghai Bell | 32.158 | 0026 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223137 | Rel-17 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Producer | Nokia, Nokia Shanghai Bell | 32.158 | 0027 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223138 | Rel-16 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Consumer | Nokia, Nokia Shanghai Bell | 32.158 | 0028 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223139 | Rel-17 CR 32.158 Clarify clause Creating a resource with identifier creation by the MnS Consumer | Nokia, Nokia Shanghai Bell | 32.158 | 0029 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223140 | Rel-16 CR 32.158 Clarify clause Design pattern for updating a resource | Nokia, Nokia Shanghai Bell | 32.158 | 0030 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223141 | Rel-17 CR 32.158 Clarify clause Design pattern for updating a resource | Nokia, Nokia Shanghai Bell | 32.158 | 0031 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223142 | Rel-16 CR 32.158 Clarify clause Design pattern for deleting a resource | Nokia, Nokia Shanghai Bell | 32.158 | 0032 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223143 | Rel-17 CR 32.158 Clarify clause Design pattern for deleting a resource | Nokia, Nokia Shanghai Bell | 32.158 | 0033 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223144 | Rel-16 CR 32.158 Clarify clause Design pattern for subscribe/notify | Nokia, Nokia Shanghai Bell | 32.158 | 0034 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223145 | Rel-17 CR 32.158 Clarify clause Design pattern for subscribe/notify | Nokia, Nokia Shanghai Bell | 32.158 | 0035 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223147 | Rel-16 CR 32.158 Clarify clause Design pattern for scoping and filtering | Nokia, Nokia Shanghai Bell | 32.158 | 0036 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223148 | Rel-17 CR 32.158 Clarify clause Design pattern for scoping and filtering | Nokia, Nokia Shanghai Bell | 32.158 | 0037 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223149 | Rel-16 CR 32.158 Clarify clause Design patterns for attribute and attribute field selection | Nokia, Nokia Shanghai Bell | 32.158 | 0038 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223150 | Rel-17 CR 32.158 Clarify clause Design patterns for attribute and attribute field selection | Nokia, Nokia Shanghai Bell | 32.158 | 0039 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223151 | Rel-16 CR 32.158 Clarify clause Design patterns for partially updating a resource | Nokia, Nokia Shanghai Bell | 32.158 | 0040 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223156 | Rel-17 CR 32.158 Clarify clause Design patterns for partially updating a resource | Nokia, Nokia Shanghai Bell | 32.158 | 0041 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223157 | Rel-16 CR 32.158 Clarify clause Design patterns for patching multiple resources | Nokia, Nokia Shanghai Bell | 32.158 | 0042 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223158 | Rel-17 CR 32.158 Clarify clause Design patterns for patching multiple resources | Nokia, Nokia Shanghai Bell | 32.158 | 0043 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223159 | Rel-16 CR 32.158 Add missing clause Large queries | Nokia, Nokia Shanghai Bell | 32.158 | 0044 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223160 | Rel-17 CR 32.158 Add missing clause Large queries | Nokia, Nokia Shanghai Bell | 32.158 | 0045 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223161 | Rel-16 CR 32.158 Correct examples in Annex A | Nokia, Nokia Shanghai Bell | 32.158 | 0046 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223162 | Rel-17 CR 32.158 Correct examples in Annex A | Nokia, Nokia Shanghai Bell | 32.158 | 0047 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223163 | Rel-16 CR 28.532 Correct REST SS of deleteMOI | Nokia, Nokia Shanghai Bell | 32.158 | 0048 | - | Rel-16 | F | TEI16, REST\_SS | withdrawn |
| S5-223164 | Rel-17 CR 28.532 Correct REST SS of deleteMOI | Nokia, Nokia Shanghai Bell | 32.158 | 0049 | - | Rel-17 | A | REST\_SS, TEI17 | withdrawn |
| S5-223195 | Rel-16 CR 32.158 Clarify clause Design pattern for reading a resource | Nokia, Nokia Shanghai Bell | 32.158 | 0050 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-223196 | Rel-17 CR 32.158 Clarify clause Design pattern for reading a resource | Nokia, Nokia Shanghai Bell | 32.158 | 0051 | - | Rel-17 | A | REST\_SS, TEI16 | agreed |
| S5-223201 | YANG Mapping Corrections | Ericsson Hungary Ltd | 32.160 | 0027 | - | Rel-17 | F | adNRM | agreed |
| S5-223094 | Rel-17 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | 32.254 | 0023 | - | Rel-17 | F | TEI17 | not pursued |
| S5-223211 | Rel-17 CR 32.255 Additional charging message flow for LBO\_was\_S5-222808 | Huawei, Ericsson, MATRIXX Software | 32.255 | 0381 | 2 | Rel-17 | B | CHROAM | revised |
| S5-223722 | Rel-17 CR 32.255 Additional charging message flow for LBO\_was\_S5-222808 | Huawei, Ericsson, MATRIXX Software | 32.255 | 0381 | 3 | Rel-17 | B | CHROAM | agreed |
| S5-223209 | Rel-17 CR 32.255 Additional charging principles for LBO\_was\_S5-222809 | Huawei, Ericsson, MATRIXX Software | 32.255 | 0382 | 2 | Rel-17 | B | CHROAM | revised |
| S5-223683 | Rel-17 CR 32.255 Additional charging principles for LBO\_was\_S5-222809 | Huawei, Ericsson, MATRIXX Software | 32.255 | 0382 | 3 | Rel-17 | B | CHROAM | agreed |
| S5-223089 | Rel-17 CR 32.255 Correcting charging termination flow at roaming | Ericsson LM | 32.255 | 0390 | - | Rel-17 | F | TEI17 | agreed |
| S5-223092 | Rel-17 CR 32.255 Correcting usage of PDU session information | Ericsson LM | 32.255 | 0391 | - | Rel-17 | F | 5GSIMSCH | agreed |
| S5-223098 | Rel-17 CR 32.255 Correcting home routed CHF selection | Ericsson LM | 32.255 | 0392 | - | Rel-17 | F | TEI17 | revised |
| S5-223698 | Rel-17 CR 32.255 Correcting home routed CHF selection | Ericsson LM | 32.255 | 0392 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-223099 | Rel-17 CR 32.255 Correcting IMS handling | Ericsson LM | 32.255 | 0393 | - | Rel-17 | F | 5GSIMSCH | revised |
| S5-223699 | Rel-17 CR 32.255 Correcting IMS handling | Ericsson LM | 32.255 | 0393 | 1 | Rel-17 | F | 5GSIMSCH | not pursued |
| S5-223104 | Rel-17 CR 32.255 QBC triggering for LBO | Ericsson LM | 32.255 | 0394 | - | Rel-17 | B | CHROAM | revised |
| S5-223681 | Rel-17 CR 32.255 QBC triggering for LBO | Ericsson LM | 32.255 | 0394 | 1 | Rel-17 | B | CHROAM | not pursued |
| S5-223214 | Rel-17 CR 32.255 Introduction of possibility for Flow based charging in VPLMN for LBO | MATRIXX Software | 32.255 | 0395 | - | Rel-17 | B | CHROAM | merged |
| S5-223276 | Rel-16 CR 32.255 Correction on the Trigger Conditions | Huawei | 32.255 | 0396 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | revised |
| S5-223685 | Rel-16 CR 32.255 Correction on the Trigger Conditions | Huawei | 32.255 | 0396 | 1 | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | agreed |
| S5-223277 | Rel-17 CR 32.255 Correction on the Trigger Conditions | Huawei | 32.255 | 0397 | - | Rel-17 | A | TEI16, 5GS\_Ph1-DCH | revised |
| S5-223686 | Rel-17 CR 32.255 Correction on the Trigger Conditions | Huawei | 32.255 | 0397 | 1 | Rel-17 | A | TEI16, 5GS\_Ph1-DCH | agreed |
| S5-223278 | Rel-16 CR 32.255 Correction on the Trigger type for QBC | Huawei | 32.255 | 0398 | - | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | revised |
| S5-223691 | Rel-16 CR 32.255 Correction on the Trigger type for QBC | Huawei | 32.255 | 0398 | 1 | Rel-16 | F | TEI16, 5GS\_Ph1-DCH | agreed |
| S5-223279 | Rel-17 CR 32.255 Correction on the Trigger type for QBC | Huawei | 32.255 | 0399 | - | Rel-17 | A | TEI16, 5GS\_Ph1-DCH | revised |
| S5-223692 | Rel-17 CR 32.255 Correction on the Trigger type for QBC | Huawei | 32.255 | 0399 | 1 | Rel-17 | A | TEI16, 5GS\_Ph1-DCH | agreed |
| S5-223283 | Rel-17 CR 32.255 Addition of the Start Time | Huawei | 32.255 | 0400 | - | Rel-17 | F | TEI17 | revised |
| S5-223701 | Rel-17 CR 32.255 Addition of the Start Time | Huawei | 32.255 | 0400 | 1 | Rel-17 | F | TEI17 | not pursued |
| S5-223286 | Rel-17 CR 32.255 Correction on the description for Interworking Charging | Huawei | 32.255 | 0401 | - | Rel-17 | F | TEI17, 5GIEPC\_CH | agreed |
| S5-223287 | Rel-17 CR 32.255 Additional charging message flow for MVNO | Huawei | 32.255 | 0402 | - | Rel-17 | B | CHROAM | revised |
| S5-223704 | Rel-17 CR 32.255 Additional charging message flow for MVNO | Huawei | 32.255 | 0402 | 1 | Rel-17 | B | CHROAM | agreed |
| S5-223288 | Rel-17 CR 32.255 Additional charging principles for MVNO | Huawei | 32.255 | 0403 | - | Rel-17 | B | CHROAM | revised |
| S5-223705 | Rel-17 CR 32.255 Additional charging principles for MVNO | Huawei | 32.255 | 0403 | 1 | Rel-17 | B | CHROAM | agreed |
| S5-223090 | Rel-17 CR 32.256 Correcting support of charging scenarios for roaming | Ericsson LM | 32.256 | 0007 | - | Rel-17 | F | TEI17 | not pursued |
| S5-223102 | Rel-17 CR 32.260 Correcting IMS charging information | Ericsson LM | 32.260 | 0425 | - | Rel-17 | F | 5GSIMSCH | agreed |
| S5-223187 | Rel-17 CR 32.260 Supported fields in Charging Data Request message | Nokia, Nokia Shangai Bell | 32.260 | 0426 | - | Rel-17 | F | TEI17 | revised |
| S5-223687 | Rel-17 CR 32.260 Supported fields in Charging Data Request message | Nokia, Nokia Shangai Bell | 32.260 | 0426 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-223191 | Rel-17 CR 32.260 Final Unit Indication missing | Nokia, Nokia Shangai Bell | 32.260 | 0427 | - | Rel-17 | F | TEI17 | revised |
| S5-223688 | Rel-17 CR 32.260 Final Unit Indication missing | Nokia, Nokia Shangai Bell | 32.260 | 0427 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-223091 | Rel-17 CR 32.274 Correcting session and charging identifiers | Ericsson LM | 32.274 | 0087 | - | Rel-17 | F | TEI17 | not pursued |
| S5-223097 | Rel-17 CR 32.290 Correcting CHF detected failure handling | Ericsson LM | 32.290 | 0182 | - | Rel-17 | F | TEI17 | revised |
| S5-223707 | Rel-17 CR 32.290 Correcting CHF detected failure handling | Ericsson LM | 32.290 | 0182 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-223086 | Rel-17 CR 32.291 Correcting response code 3xx | Ericsson LM | 32.291 | 0370 | 1 | Rel-17 | F | TEI17 | revised |
| S5-223694 | Rel-17 CR 32.291 Correcting response code 3xx | Ericsson LM | 32.291 | 0370 | 2 | Rel-17 | F | TEI17 | agreed |
| S5-223087 | Rel-17 CR 32.291 Correcting response code 5xx | Ericsson LM | 32.291 | 0372 | 1 | Rel-17 | F | TEI17 | revised |
| S5-223695 | Rel-17 CR 32.291 Correcting response code 5xx | Ericsson LM | 32.291 | 0372 | 2 | Rel-17 | F | TEI17 | agreed |
| S5-223085 | Rel-17 CR 32.291 Correcting response codes | Ericsson LM | 32.291 | 0388 | - | Rel-17 | F | TEI17 | not pursued |
| S5-223088 | Rel-17 CR 32.291 Correcting error handling | Ericsson LM | 32.291 | 0389 | - | Rel-17 | F | TEI17 | agreed |
| S5-223093 | Rel-17 CR 32.291 Correcting usage of PDU session information | Ericsson LM | 32.291 | 0390 | - | Rel-17 | F | TEI17 | not pursued |
| S5-223095 | Rel-17 CR 32.291 Missing operation and identifier in NEF charging information | Ericsson LM | 32.291 | 0391 | - | Rel-17 | F | TEI17 | not pursued |
| S5-223100 | Rel-17 CR 32.291 Missing IMS binding | Ericsson LM | 32.291 | 0392 | - | Rel-17 | F | 5GSIMSCH | revised |
| S5-223682 | Rel-17 CR 32.291 Missing IMS binding | Ericsson LM | 32.291 | 0392 | 1 | Rel-17 | F | 5GSIMSCH | agreed |
| S5-223101 | Rel-17 CR 32.291 Correcting IMS called identity as array | Ericsson LM | 32.291 | 0393 | - | Rel-17 | F | 5GSIMSCH | agreed |
| S5-223105 | Rel-17 CR 32.291 QBC triggering for LBO | Ericsson LM | 32.291 | 0394 | - | Rel-17 | B | CHROAM | not pursued |
| S5-223190 | Rel-17 CR 32.291 RedirectAdresssType datatype missing | Nokia, Nokia Shangai Bell | 32.291 | 0395 | - | Rel-17 | F | TEI17 | revised |
| S5-223690 | Rel-17 CR 32.291 RedirectAdresssType datatype missing | Nokia, Nokia Shangai Bell | 32.291 | 0395 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-223192 | Rel-17 CR 32.291 Time Unit granularity missing | Nokia, Nokia Shangai Bell | 32.291 | 0396 | - | Rel-17 | F | TEI17 | withdrawn |
| S5-223193 | Rel-17 CR 32.291 Tariff Change support | Nokia, Nokia Shangai Bell | 32.291 | 0397 | - | Rel-17 | F | TEI17 | withdrawn |
| S5-223280 | Rel-17 CR 32.291 Correction on the QoS Monitoring Report | Huawei | 32.291 | 0398 | - | Rel-17 | F | 5GLAN\_CH | revised |
| S5-223693 | Rel-17 CR 32.291 Correction on the QoS Monitoring Report | Huawei | 32.291 | 0398 | 1 | Rel-17 | F | 5GLAN\_CH | agreed |
| S5-223281 | Rel-16 CR 32.291 Correction on the Time attribute | Huawei,Deutsche Telekom | 32.291 | 0399 | - | Rel-16 | F | TEI16 | revised |
| S5-223723 | Rel-16 CR 32.291 Correction on the Time attribute | Huawei,Deutsche Telekom | 32.291 | 0399 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-223282 | Rel-17 CR 32.291 Correction on the Time attribute | Huawei,Deutsche Telekom | 32.291 | 0400 | - | Rel-17 | A | TEI16 | revised |
| S5-223689 | Rel-17 CR 32.291 Correction on the Time attribute | Huawei,Deutsche Telekom | 32.291 | 0400 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-223284 | Rel-17 CR 32.291 Addition of the Start Time | Huawei | 32.291 | 0401 | - | Rel-17 | F | TEI17 | revised |
| S5-223703 | Rel-17 CR 32.291 Addition of the Start Time | Huawei | 32.291 | 0401 | 1 | Rel-17 | F | TEI17 | not pursued |
| S5-223438 | Rel-17 CR 32.291 Introduce OpenAPI extension for 5G ProSe charging | CATT | 32.291 | 0402 | - | Rel-17 | B | 5G\_ProSe | revised |
| S5-223676 | Rel-17 CR 32.291 Introduce OpenAPI extension for 5G ProSe charging | CATT | 32.291 | 0402 | 1 | Rel-17 | B | 5G\_ProSe | agreed |
| S5-223439 | Rel-17 CR 32.291 Introduce Binding for 5G Prose charging | CATT | 32.291 | 0403 | - | Rel-17 | B | 5G\_ProSe | revised |
| S5-223678 | Rel-17 CR 32.291 Introduce Binding for 5G Prose charging | CATT | 32.291 | 0403 | 1 | Rel-17 | B | 5G\_ProSe | agreed |
| S5-223440 | Rel-17 CR 32.291 Introduce Data Type for 5G ProSe charging | CATT | 32.291 | 0404 | - | Rel-17 | B | 5G\_ProSe | revised |
| S5-223679 | Rel-17 CR 32.291 Introduce Data Type for 5G ProSe charging | CATT | 32.291 | 0404 | 1 | Rel-17 | B | 5G\_ProSe | agreed |
| S5-223462 | CR 32.291 Update Nchf\_ConvergedCharging service API for Edge Computing | Intel | 32.291 | 0405 | - | Rel-17 | B | EDGE\_CH | revised |
| S5-223675 | CR 32.291 Update Nchf\_ConvergedCharging service API for Edge Computing | Intel | 32.291 | 0405 | 1 | Rel-17 | B | EDGE\_CH | agreed |
| S5-223725 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0406 | - | Rel-16 | F | TEI16, 5GS\_Ph1-SBI\_CH | agreed |
| S5-223726 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0407 | - | Rel-17 | F | TEI17, 5GS\_Ph1-SBI\_CH | agreed |
| S5-223465 | CR 32.297 Add CDR file format for Edge Computing charging | Intel | 32.297 | 0039 | - | Rel-17 | B | EDGE\_CH | agreed |
| S5-223096 | Rel-17 CR 32.298 Missing operation and identifier in NEF charging information | Ericsson LM | 32.298 | 0896 | - | Rel-17 | F | TEI17 | not pursued |
| S5-223103 | Rel-17 CR 32.298 Correcting IMS called identity as array | Ericsson LM | 32.298 | 0897 | - | Rel-17 | F | 5GSIMSCH | agreed |
| S5-223285 | Rel-17 CR 32.298 Addition of the Start Time | Huawei | 32.298 | 0898 | - | Rel-17 | F | TEI17 | revised |
| S5-223717 | Rel-17 CR 32.298 Addition of the Start Time | Huawei | 32.298 | 0898 | 1 | Rel-17 | F | TEI17 | not pursued |
| S5-223296 | Rel-16 CR 32.298 Correction on presence reporting area information | China Mobile E-Commerce Co. | 32.298 | 0899 | - | Rel-16 | F | TEI16 | agreed |
| S5-223297 | Rel-17 CR 32.298 Correction on presence reporting area information | China Mobile E-Commerce Co. | 32.298 | 0900 | - | Rel-17 | A | TEI16 | agreed |
| S5-223441 | Rel-17 CR 32.298 Introduce 5G ProSe charging information to CHF CDR | CATT | 32.298 | 0901 | - | Rel-17 | B | 5G\_ProSe | revised |
| S5-223680 | Rel-17 CR 32.298 Introduce 5G ProSe charging information to CHF CDR | CATT | 32.298 | 0901 | 1 | Rel-17 | B | 5G\_ProSe | agreed |
| S5-223442 | Rel-17 CR 32.298 Introduce 5G ProSe charging to CHF CDR | CATT | 32.298 | 0902 | - | Rel-17 | B | 5G\_ProSe | revised |
| S5-223677 | Rel-17 CR 32.298 Introduce 5G ProSe charging to CHF CDR | CATT | 32.298 | 0902 | 1 | Rel-17 | B | 5G\_ProSe | agreed |
| S5-223464 | CR 32.298 Add Edge Computing related CHF CDR(s) definition and ASN.1 format | Intel | 32.298 | 0903 | - | Rel-17 | B | EDGE\_CH | revised |
| S5-223672 | CR 32.298 Add Edge Computing related CHF CDR(s) definition and ASN.1 format | Intel | 32.298 | 0903 | 1 | Rel-17 | B | EDGE\_CH | agreed |
| S5-223724 | Rel-17 CR 32.298 Correction on the QoS Monitoring Report | Huawei | 32.298 | 0904 | - | Rel-17 | F | 5GLAN\_CH | agreed |
| S5-223369 | CR Rel-17 TS 32.406 Non-inclusive language correction | China Mobile | 32.406 | 0016 | - | Rel-17 | F | TEI17 | agreed |
| S5-223173 | Rel-17 CR 32.422 Add metric identifier for trace metrics | Nokia, Nokia Shanghai Bell | 32.422 | 0392 | - | Rel-17 | B | MADCOL | revised |
| S5-223656 | Rel-17 CR 32.422 Add metric identifier for trace metrics | Nokia, Nokia Shanghai Bell | 32.422 | 0392 | 1 | Rel-17 | B | MADCOL | agreed |
| S5-223245 | Rel-16 CR 32.422 adding missing signaling and interface related to SMF for trace | Huawei | 32.422 | 0393 | - | Rel-16 | F | 5GMDT | revised |
| S5-223550 | Rel-16 CR 32.422 adding missing signaling and interface related to SMF for trace | Huawei | 32.422 | 0393 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-223246 | Rel-17 CR 32.422 adding missing signaling and interface related to SMF for trace | Huawei | 32.422 | 0394 | - | Rel-17 | A | 5GMDT | revised |
| S5-223551 | Rel-17 CR 32.422 adding missing signaling and interface related to SMF for trace | Huawei | 32.422 | 0394 | 1 | Rel-17 | A | 5GMDT | agreed |
| S5-223247 | Rel-16 CR 32.423 adding missing interface related to SMF for trace | Huawei | 32.423 | 0129 | - | Rel-16 | F | 5GMDT | revised |
| S5-223552 | Rel-16 CR 32.423 adding missing interface related to SMF for trace | Huawei | 32.423 | 0129 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-223248 | Rel-17 CR 32.423 adding missing interface related to SMF for trace | Huawei | 32.423 | 0130 | - | Rel-17 | A | 5GMDT | revised |
| S5-223553 | Rel-17 CR 32.423 adding missing interface related to SMF for trace | Huawei | 32.423 | 0130 | 1 | Rel-17 | A | 5GMDT | agreed |
| S5-223393 | CR Rel-17 TS 32.452 Non-inclusive language correction | China Mobile E-Commerce Co. | 32.452 | 0002 | - | Rel-17 | F | TEI17 | revised |
| S5-223547 | CR Rel-17 TS 32.452 Non-inclusive language correction | China Mobile E-Commerce Co. | 32.452 | 0002 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-223435 | CR R17 32.511-h00 Correcting non inclusive language | Ericsson | 32.511 | 0027 | - | Rel-17 | F | TEI17 | agreed |
| S5-223166 | CR Rel-17 TS 32.592 Non-inclusive language correction | Nokia | 32.592 | 0039 | - | Rel-17 | F | TEI17 | agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S5-223015 |  | Resubmitted Reply LS to SA5 on beam measurement reports | R3-221383 | replied to | S5-223524 |
| S5-223016 |  | Resubmitted LS on configuration updates of MDT M1, M8 and M9 in RAN3 specifications | R3-221445 | replied to | S5-223583 |
| S5-223017 |  | Resubmitted LS on RAN3 agreements for NR QoE | R3-222890 | postponed | (none) |
| S5-223018 |  | Resubmitted LS Reply on QoE configuration and reporting related issues | S4-220309 | replied to | S5-223518 |
| S5-223019 |  | Resubmitted LS on TS 28.404/TS 28.405 Clarification | S4-211234 | replied to | S5-223546 |
| S5-223020 |  | LS on Logical relationship between query parameters | C4-222302 | replied to | S5-223517 |
| S5-223021 |  | Response to request for TM Forum AN Use Case material at Joint Workshop 23rd February 2022 and updated slides meeting 16th March 2022- LS22-0003 | TM Forum | noted | (none) |
| S5-223022 |  | Ls ccSA5 Request to clarify whether there are IPR issues with using 3GPP terminology and  information objects and names in code contributed to ONAP | ONAP | noted | (none) |
| S5-223023 |  | Reply LS on Traffic usage reporting on 5MBS service | S2-2203019 | noted | (none) |
| S5-223024 |  | Reply LS on maximum number of MBS sessions that can be associated to a PDU session | S2-2203050 | withdrawn | (none) |
| S5-223025 |  | LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation | S6-220848 | postponed | (none) |
| S5-223026 |  | Reply LS to ETSI MEC ccSA5 on MEC Federation and interest to collaborate | S6-220931 | noted | (none) |
| S5-223027 |  | LS on network slice LCM consumption and use cases | S6-220932 | replied to | S5-223521 |
| S5-223515 |  | LS on Issues Network Slice information delivery to a 3rd party | S6-220975 | replied to | S5-223516 |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-223516 | Reply to: LS on Issues Network Slice information delivery to a 3rd party | SA6 | SA1, SA2, SA | S5-223515 |
| S5-223517 | Reply to: LS on Logical relationship between query parameters | CT4 | CT3, CT1, SA4 | S5-223020 |
| S5-223518 | Reply to: Resubmitted LS Reply on QoE configuration and reporting related issues | SA4 | - | S5-223018 |
| S5-223521 | Reply to: LS on network slice LCM consumption and use cases | SA6 | - | S5-223027 |
| S5-223522 | LS on Study on KQIs for 5G service experience | SA4,ITU-T SG12 | - |  |
| S5-223524 | Reply to: Resubmitted Reply LS to SA5 on beam measurement reports | RAN3 | - | S5-223015 |
| S5-223525 | LS on Inclusive language updates related to BBF TR-196 | BBF | - |  |
| S5-223546 | Reply to: Resubmitted LS on TS 28.404/TS 28.405 Clarification | SA4 | - | S5-223019 |
| S5-223583 | Reply to: Resubmitted LS on configuration updates of MDT M1, M8 and M9 in RAN3 specifications | RAN3 | - | S5-223016 |

## Annex D: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S5-223354 | 28.834 | 0.0.0 | TR 28.834 Initial Skeleton v0.0.0 |
| S5-223659 | 28.910 | 0.2.0 | Latest draft TR 28.910 |
| S5-223660 | 28.912 | 0.2.0 | Latest draft TR 28.912 |
| S5-223661 | 28.836 | 0.2.0 | Latest draft TR 28.836 |
| S5-223662 | 28.908 | 0.2.0 | Latest draft TR 28.908 |
| S5-223663 | 28.864 | 0.2.0 | Latest draft TR 28.864 |
| S5-223664 | 28.925 | 0.6.0 | Latest draft TR 28.925 |
| S5-223665 | 28.831 | 0.2.0 | Latest draft TR 28.831 |
| S5-223667 | 32.257 | 1.2.0 | Draft TS 32.257 |
| S5-223668 | 32.847 | 1.3.0 | Draft TR 32.847 |
| S5-223669 | 28.826 | 0.5.0 | Draft TR 28.826 |
| S5-223670 | 28.827 | 1.2.0 | Draft TR 28.827 |
| S5-223671 | 28.828 | 0.2.0 | Draft TR 28.828 |
| S5-223727 | 28.832 | 0.2.0 | Latest draft TR 28.832 |
| S5-223728 | 28.833 | 0.2.0 | Latest draft TR 28.833 |
| S5-223729 | 28.834 | 0.1.0 | Latest draft TR 28.834 |
| S5-223730 | 28.835 | 0.2.0 | Latest draft TR 28.835 |
| S5-223731 | 28.819 | 0.7.0 | Latest draft TR 28.819 |
| S5-223732 | 28.837 | 0.2.0 | Latest draft TR 28.837 |
| S5-223733 | 28.907 | 0.2.0 | Latest draft TR 28.907 |
| S5-223734 | 28.829 | 0.2.0 | Latest draft TR 28.829 |
| S5-223735 | 28.865 | 0.2.0 | Latest draft TR 28.865 |
| S5-223736 | 28.824 | 0.7.0 | Latest draft TR 28.824 |
| S5-223737 | 28.903 | 0.2.0 | Latest draft TR 28.903 |
| S5-223738 | 28.312 | 1.2.0 | Latest draft TS 28.312 |
| S5-223739 | 28.104 | 1.2.0 | Latest draft TS 28.104 |
| S5-223740 | 28.105 | 1.2.0 | Latest draft TS 28.105 |
| S5-223751 | 28.863 | 0.2.0 | Latest draft TR 28.863 |

## Annex E: List of participants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented |
| Mr. | Achter | Johannes | Deutsche Telekom AG | T-Mobile Austria GmbH |
| Dr. | Al-kanani | Hassan | NEC Europe Ltd | NEC Europe Ltd |
| Mrs. | Allwang | Christiane | Nokia Germany | Nokia France |
| Mr. | Andrianov | Anatoly | Nokia Germany | Nokia |
| Mr. | audebert | vincent | EDF Recherche et Développement | EDF Recherche et Développement |
| Mrs. | Ayani | Zhulia | Ericsson LM | Ericsson-LG Co., LTD |
| Mr. | Bahr | Michael | Siemens AG | Siemens AG |
| Mr. | Berisot | Thierry | NOVAMINT | NOVAMINT |
| Ms. | Camacho | Cristina | VODAFONE Group Plc | Vodafone Italia SpA |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI |
| Miss | cao | guangjing | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Cao | Longyu | HUAWEI TECHNOLOGIES Co. Ltd. | HuaWei Technologies Co., Ltd |
| Mr. | Cao | Xi | China Mobile Com. Corporation | China Mobile International Ltd |
| Dr. | Cetinkaya | Egemen | Verizon UK Ltd | Verizon Denmark |
| Mr. | Champel | Mary-Luc | Beijing Xiaomi Mobile Software | Beijing Xiaomi Electronics |
| Dr. | Chan | Yee Sin | Meta Ireland | Facebook India |
| Dr. | Chen | Ai | China Mobile Com. Corporation | China Mobile (Hangzhou) Inf. |
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| Miss | Chen | Xiumin | China Telecommunications | China Telecom Corporation Ltd. |
| Mr. | Chen | Yu | China Telecommunications | China Telecommunications |
| Dr. | Chiba | Tsunehiko | VIAVI Solutions | VIAVI Solutions |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | Intel Korea, Ltd. |
| Dr. | CORNILY | Jean-Michel | Huawei Technologies France | Huawei Technologies France |
| Mr. | Dempo | Hiroshi | NEC Corporation | NEC Corporation |
| Ms. | Deng | Lingli | China Mobile Research Inst. | China Mobile (Suzhou) Software |
| Dr. | Dong | Hao | ZTE Corporation | ZTE Photonics |
| Miss | Dong | Jia | China Mobile E-Commerce Co. | China Mobile M2M Company Ltd. |
| Mr. | Edwards | Robert | MATRIXX Software | MATRIXX Software |
| Mr. | Elmdahl | Per | Ericsson France S.A.S | Ericsson India Private Limited |
| Mr. | Gao | Jiajin | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | Samsung R&D Institute India |
| Mr. | Glozman | Borislav | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Dr. | Goerge | Jürgen | Nokia Germany | Nokia Hungary |
| Mr. | Görmer | Gerald | MATRIXX Software | MATRIXX Software |
| Mr. | Groenendijk | Jan | Ericsson LM | L.M. Ericsson Limited |
| Miss | Guo | Chuyi | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Guo | Yi | Intel Corporation (UK) Ltd | Intel Belgium SA/NV |
| Ms. | Gupta | Monika | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Mr. | Gupta | Varini | Samsung R&D Institute India | Samsung Electronics France SA |
| Mr. | Guttman | Erik | Samsung R&D Institute UK | Samsung Electronics GmbH |
| Mr. | Harper | Colby | Pivotal Commware | Pivotal Commware |
| Mr. | Hassett | Brendan | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Sweden AB |
| Mr. | Hatanaka | Yoshitaka | NTT DOCOMO INC. | NTT DOCOMO INC. |
| Mr. | Horvat | Atila | Hewlett-Packard Enterprise | Hewlett-Packard Enterprise |
| Ms. | Hu | Yaxi | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Miss | Hu | Yushuang | China Mobile Research Inst. | China Mobile E-Commerce Co. |
| Miss | Huang | Xietian | HUAWEI Technologies Japan K.K. | HUAWEI Technologies Japan K.K. |
| Mr. | Jerbi | Walid | Deutsche Telekom AG | T-Mobile Polska S.A. |
| Mr. | Jesske | Roland | Deutsche Telekom AG | Telekom Deutschland GmbH |
| Mr. | Ju | Manchang | ZTE Corporation | Sanechips |
| Mr. | Kaushik | Ashutosh | Samsung R&D Institute UK | Samsung Electronics Co., Ltd |
| Miss | Kedalagudde | Meghashree D | Intel Deutschland GmbH | Intel Corporation SAS |
| Dr. | Kiani | Abbas | Futurewei | Futurewei Technologies |
| Mr. | Klotz | Michael | Deutsche Telekom AG | Deutsche Telekom AG |
| Mr. | Kolekar | Abhijeet | Intel Corporation (UK) Ltd | Intel |
| Dr. | Kollar | Martin | Nokia Solutions & Networks (I) | Nokia Solutions & Networks (I) |
| Mr. | Kumar | Lalith | Samsung R&D Institute India | Samsung R&D Institute UK |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | Ericsson Hungary Ltd |
| Ms. | Li | Chenyi | China Unicom | Unicompay |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Nanjing Ericsson Panda Com Ltd |
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| Mr. | Li | Zhendong | Nubia Technology Co.,Ltd | ZTE Wistron Telecom AB |
| Mr. | Li | Zhijun | ZTE Corporation | ZTE Corporation |
| Dr. | Liang | Haoran | Xiaomi Communications | Xiaomi Communications |
| Miss | liang | lixin | China Telecommunications | China Telecomunication Corp. |
| Miss | Liang | Shuang | Nubia Technology Co.,Ltd | ZONSON |
| Miss | Lin | Lin | China Unicom | Unicom Broadband Online |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Software Tech | Beijing Xiaomi Software Tech |
| Miss | liu | yinping | HuaWei Technologies Co., Ltd | HuaWei Technologies Co., Ltd |
| Ms. | Lu | Wei | Xiaomi Technology | Xiaomi Technology |
| Mr. | Lu | Yang | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies (Korea) |
| Mr. | Luetzenkirchen | Thomas | Intel Deutschland GmbH | Intel Deutschland GmbH |
| Ms. | Ma | Limeng | AsiaInfo Technologies Inc | AsiaInfo Technologies Inc |
| Miss | Ma | Mengyuan | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Ma | Ruitao | China Unicom | CUG |
| Mr. | MAO | Yuxin | Beijing Xiaomi Mobile Software | Xiaomi EV Technology |
| Miss | Martinez Tarradell | Marta | Intel | Intel Corporation Italia SpA |
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| Mr. | Mo | Zhiwei | China Telecommunications | China Telecommunications |
| Ms. | Monika | Gupta | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Dr. | Mwanje | Stephen | Nokia | Nokia Italy |
| Mr. | Mysore Annaiah | Mahesh Nayaka | Reliance Jio | Reliance Jio |
| Mr. | Niang | Mamadou M. | Verizon UK Ltd | Verizon Spain |
| Ms. | Niu | Yuxia | China Telecom Corporation Ltd. | Chinatelecom Cloud |
| Mr. | Ordonez-Lucena | Jose | TELEFONICA S.A. | TELEFONICA S.A. |
| Dr. | Palat | Sudeep | Intel Corporation (UK) Ltd | Intel Corporation (UK) Ltd |
| Mr. | Petersen | Robert | Ericsson LM | Ericsson Japan K.K. |
| Dr. | Pollakowski | Olaf | Nokia Germany | Nokia Germany |
| Mr. | Potter | Benjamin | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Mr. | Pozo | Sergio | VODAFONE Group Plc | Vodafone GmbH |
| Mr. | Ren | Chi | China Unicom | CITC |
| Mr. | Rodrigues | Joao | Nokia | Nokia UK |
| Mr. | Ronco | Enrico | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Mr. | Roy | Dibbendu | IIT, Kharagpur | IIT, Kharagpur |
| Mr. | Ruan | Bangqiu | ZTE Corporation | ZTE Corporation |
| Ms. | Sabater | Susana | VODAFONE Group Plc | VODAFONE Group Plc |
| Dr. | Sadeghi | Bahar | Microsoft Europe SARL | Microsoft Europe SARL |
| Dr. | Samdanis | Konstantinos | Nokia Germany | Nokia Denmark |
| Dr. | Savaglio | Frank | Telstra Corporation Limited | Telstra Corporation Limited |
| Mr. | Scott | Mark | Ericsson LM | Ericsson Inc. |
| Dr. | Shailendra | Samar | Intel Technology India Pvt Ltd | Intel Technology India Pvt Ltd |
| Mr. | Shan | Changhong | Intel Corporation (UK) Ltd | Intel China Ltd. |
| Ms. | Shen | Yang | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Softwar |
| Mrs. | Shi | xiaoli | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies France |
| 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 |
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| Miss | Srinivasaraju | Srilakshmi | Nokia Corporation | Nokia Corporation |
| Mr. | Stojanovski | Saso | Intel Deutschland GmbH | Intel Finland Oy |
| Mr. | Subramanya | Tejas | Nokia Germany | Nokia Germany |
| Mr. | Sun | Mingrui | China Unicom | Unicom Broadband Online |
| Ms. | Sun | Qi | China Mobile Research Inst. | CCSA |
| Mr. | Sun | Sean | Nokia Shanghai Bell | Nokia Shanghai Bell |
| Mr. | Swaminathan | Sivaramakrishnan | Nokia Germany | Nokia Korea |
| Mr. | tanikawa | kazunori | NICT | NICT |
| Mr. | Tokel | Baris | ASELSAN | ASELSAN |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson España S.A. |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM |
| Miss | tunali | aysegul | ASELSAN | ASELSAN |
| Mr. | Vaishnavi | Ishan | Lenovo (Beijing) Ltd | Lenovo Information Technology |
| Mr. | WANG | CHEN | China Mobile Research Inst. | China Mobile (Suzhou) Software |
| Ms. | Wang | Jingyun | China Unicom | China Unicom |
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| Ms. | Wang | Man | HuaWei Technologies Co., Ltd | Huawei Telecommunication India |
| Miss | Wang | Menghan | ZTE Corporation | Nubia Technology Co.,Ltd |
| Dr. | Wang | Xiaozheng | HuaWei Technologies Co., Ltd | HuaWei Technologies Co., Ltd |
| Dr. | Wang | Zhaoning | China Unicom | China Unicom |
| Ms. | Weaver | Farni | T-Mobile USA | T-Mobile USA Inc. |
| Ms. | WEI | QUN | China Unicom | BTPDI |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Mr. | Xie | Baoguo | ZTE Corporation | Nubia Technology Co.,Ltd |
| Mr. | Xing | TianQi | China Unicom | CU Digital Technology |
| Mr. | XING | XIAOCHENG | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI TECHNOLOGIES Co. Ltd. |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co.. Ltd | Huawei Device Co., Ltd |
| Miss | Yan | Xiaojian | ZTE Corporation | CALTTA |
| Dr. | Yao | Ge | China Unicom | VSENS |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel Technology Poland SP Zoo |
| Dr. | Yu | Xiaobo | Alibaba (China) Group., Ltd. | Alibaba (China) Group., Ltd. |
| Ms. | Yuchao | Jin | China Unicom | China Unicom |
| Mr. | Yun | Andy | TELUS | TELUS |
| Mr. | Zadeh | Bagher | Ericsson LM | Ericsson Limited |
| 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 | Ling | Siemens AG | Siemens AG |
| Miss | Zhang | Zhijiao | CENC | CENC |
| Dr. | Zhao | Shuai | Intel | Intel Sweden AB |
| Mr. | Zhao | Song | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Miss | Zhao | Xian | Huawei Technologies France | HUAWEI Technologies Japan K.K. |
| Miss | Zhou | Xingyue | ZTE Corporation | ZTE Corporation |
| Mr. | Zhu | Chunhui | Beijing Xiaomi Mobile Software | Beijing Xiaomi Electronics |
| Mr. | Zhu | Jinguo | ZTE Corporation | ZXNE |
| 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 Co., Ltd |

## Annex I: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#145 | 2022-08-15 | 2022-08-19 | Goteborg | SE | S5-145 |
| SA5-Ad Hoc | 2022-10-10 | 2022-10-14 | TBD | TB | S5-0 |
| SA5#146 | 2022-11-14 | 2022-11-18 | TBD | Canada | S5-146 |
| SA5-Ad Hoc | 2023-01-16 | 2023-01-20 | TBD |  | S5-0 |
| SA5#147 | 2023-02-27 | 2023-03-03 | EU | EU | S5-147 |
| SA5#148 | 2023-04-17 | 2023-04-21 | TBD | US | S5-148 |
| SA5#149 | 2023-05-22 | 2023-05-26 | China | CN | S5-149 |
| SA5#150 | 2023-08-21 | 2023-08-25 | EU | EU | S5-150 |
| SA5#151 | 2023-10-09 | 2023-10-13 | Japan | JP | S5-151 |
| SA5#152 | 2023-11-13 | 2023-11-17 | TBD | US | S5-152 |