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

**Meeting Report  
for  
TSG SA WG5  
meeting: 126**

**Bruges, Belgium, 19/08/2019 to 23/08/2019**

Contents:

1 Opening of the meeting 3

2 Approval of the agenda 3

3 IPR and legal declaration 3

4 Meetings and activities reports 3

4.1 Last SA5 meeting report 3

4.2 Last SA meeting report 4

4.3 Inter-organizational reports 4

5 Cross-SWG issues 4

5.1 Administrative issues at SA5 level 4

5.2 Technical issues at SA5 level 5

5.3 Liaison statements at SA5 level 5

5.4 SA5 meeting calendar 6

5.5 Review of the Work Plan 6

5.6 Elections 6

6 OAM&P 6

6.1 OAM&P Plenary 6

6.2 New OAM&P Work Item proposals 10

6.3 OAM&P Maintenance and Rel-16 small Enhancements 15

6.4 Rel-16 Operations, Administration, Maintenance and Provisioning (OAM&P) 46

6.4.1 Management of QoE measurement collection 46

6.4.2 Energy Efficiency of 5G 48

6.4.3 Network policy management for mobile networks based on NFV scenarios 51

6.4.4 Methodology for 5G management specifications 53

6.4.5 Intent driven management service for mobile networks 54

6.4.6 Enhancement of performance assurance for 5G networks including network slicing 58

6.4.7 Discovery of management services in 5G 72

6.4.8 NRM enhancements 74

6.4.9 Trace Management in the context of Services Based Management Architecture 77

6.4.10 Integration of ONAP and 3GPP 5G management framework 77

6.5 OAM&P Studies 80

6.5.1 Study on protocol enhancement for real time communication 80

6.5.2 Study on management aspects of edge computing 80

6.5.3 Study on tenancy concept in 5G networks and network slicing management 80

6.5.4 Study on management aspects of communication services 84

6.5.5 Study on Self-Organizing Networks (SON) for 5G 88

6.5.6 Study on non-file-based trace reporting 96

6.5.7 Study on non-public networks management 98

6.5.8 Study on management and orchestration aspects with integrated satellite components in a 5G network 99

7 Charging 102

7.1 Charging Plenary 102

7.2 New Charging Work Item proposals 103

7.3 Charging Maintenance and Rel-16 small Enhancements 104

7.4 Rel-16 Charging 130

7.4.1 Volume Based Charging Aspects for VoLTE 130

7.4.2 Nchf Online and Offline Charging Services 130

7.4.3 Charging Enhancement of 5GC interworking with EPC 130

7.4.4 Network Exposure Charging in 5G System Architecture 131

7.4.5 Charging AMF in 5G System Architecture Phase 1 131

7.4.6 IMS Charging in 5G System Architecture 135

7.5 Charging Studies 138

7.5.1 Study on Charging Aspects of Network Slicing 138

8 Any Other Business 145

9 Closing of the meeting 145

Annex A: List of contribution documents 146

Annex B: List of change requests 174

Annex C: Lists of liaisons 194

C1: Incoming liaison statements 194

C2: Outgoing liaison statements 195

Annex D: List of agreed/approved new and revised Work Items 196

Annex E: List of draft Technical Specifications and Reports 197

Annex F: List of participants 198

Annex G: List of future meetings 200

NOTE: Minutes other than discussions of the Plenary meeting, are gathered in the Minutes reports of every session and written by the respective Rapporteurs. Minutes of the Charging SWG can be consulted in the Charging exec report document.

## 1 Opening of the meeting

Thomas Tovinger, SA5 Chair, welcomed the attendees to the beautiful city of Bruges (Belgium). He gave the welcome speech on behalf of European Friends of 3GPP (EF3).

## 2 Approval of the agenda

**S5-195000 Agenda**

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

**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.

Delegates were reminded of the fair network use rules established by the PCG:

1. Users shall not use the network to engage in illegal activities. This includes activities such as copyright violation, hacking, espionage or any other activity that may be prohibited by local laws.

2. Users shall not engage in non-work related activities that are consume excessive bandwidth or cause significant degradation of the performance of the network.

**S5-195001 IPR and legal declaration**

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

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

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-195002 Report from SA5#125**

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

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

**S5-195064 Report from SA5#125AdHoc**

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

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

### 4.2 Last SA meeting report

**S5-195015 SA5 status report at last SA meeting**

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

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

**S5-195016 SA5 results at last SA meeting**

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

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

**S5-195550 TSG CT report to SA#84 plenary**

*Type: report For: Action  
 Source: Ericsson LM*

**Abstract:**

This CT report to SA#84 (SP-190524) contains some important requests, highlighted by the new CT chair, to all WGs on slide 15 (about non-backward compatible CRs) and especially to SA5 (about handling of the OpenAPI specifications) on slides 16, 18 and 31-

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

### 4.3 Inter-organizational reports

## 5 Cross-SWG issues

### 5.1 Administrative issues at SA5 level

**S5-195003 Leaders meeting agenda**

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

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

**S5-195004 Leaders meeting minutes**

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

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

**S5-195005 SA5 Working Procedures**

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

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

**S5-195006 SA5 Meeting Facility Requirements**

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

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

**S5-195007 Process for management of draft TSs/TRs**

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

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

**S5-195008 CR Quality Check**

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

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

**S5-195009 Status of email approvals**

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

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

### 5.2 Technical issues at SA5 level

### 5.3 Liaison statements at SA5 level

**S5-195055 Resubmitted Ls from GSMA to SA5 on NG116 Publication and GST Co-operation with 3GPP SA5**

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

**Discussion:**

Nokia had some CRs related to this. Once they were agreed, the response could be prepared.

**Decision:** The document was **replied to in S5-195433**.

**S5-195058 LS from NGMN to SA5 on NGMN 5G End-to-End Architecture Framework**

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

**Discussion:**

No comments were received.

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

**S5-195061 LS from ITU-T to SA5 on approval of ITU-T Recommendation Y.3172 “Architectural framework for machine learning in future networks including IMT-2020”**

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

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

**S5-195433 LS reply from 3GPP SA5 to GSMA for GST**

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

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

**S5-195546 LS from NGMN to SA5 on Network Management and Orchestration Requirements for 5G**

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

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

### 5.4 SA5 meeting calendar

**S5-195010 SA5 Meeting Calendar**

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

**Discussion:**

November meeting has no fixed location, although it is confirmed to be in China.

Robert (Ericsson) auggested to add end of release dates to the calendar.

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

### 5.5 Review of the Work Plan

**S5-195011 3GPP SA5 Work Plan**

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

**Discussion:**

It was pointed out that ONAP3GPP and 5GSIMSCH should be in Release 16. The Chair took the action point to contat the Work Plan manger to make this change.Samsung argued that they needed to see a list of documents to be treated there in order to decide.

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

### 5.6 Elections

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-195012 Time Plan for OAM&P**

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

**Decision:** The document was **revised to S5-195619**.

**S5-195619 Time Plan for OAM&P**

*Type: other For: -  
 Source: WG Vice Chair (Huawei)*

(Replaces S5-195012)

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

**S5-195013 OAM Executive Report**

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

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

**S5-195014 OAM&P SWG action list**

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

**Decision:** The document was **revised to S5-195862**.

**S5-195862 OAM&P SWG action list**

*Type: other For: -  
 Source: WG Vice Chair (Huawei)*

(Replaces S5-195014)

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

**S5-195017 Minutes of OAM&P SWG opening session**

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

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

**S5-195040 Resubmitted LS from RAN1 to SA5 on LS on completion of CLI-RIM in RAN1**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R1-1903676*

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

**S5-195041 Resubmitted LS from RAN2 to SA2 and SA5 on IAB impact to CN**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-1905475*

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

**S5-195042 Resubmitted Reply LS from RAN2 to SA5 on the user plane latency measurement**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-1908144*

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

**S5-195043 Resubmitted Reply LS from RAN3 to SA5 on L1 and L2 measurements**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-192122*

**Decision:** The document was **replied to in S5-195941**.

**S5-195941 Reply to: Resubmitted Reply LS from RAN3 to SA5 on L1 and L2 measurements**

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

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

**S5-195044 Resubmitted Reply LS from RAN3 to SA5 on PDCP end user throughput measurements**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-192124*

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

**S5-195045 Resubmitted Reply LS from RAN3 ccSA5 on 5G\_URLLC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-192179*

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

**S5-195046 Resubmitted LS from RAN3 to SA5 on OAM requirements for RIM**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-193245*

**Decision:** The document was **replied to in S5-195622**.

**S5-195622 Reply to: Resubmitted LS from RAN3 to SA5 on OAM requirements for RIM**

*Type: LS out For: approval  
 to RAN3,RAN1  
 Source: Nokia*

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

**S5-195047 Resubmitted LS from SA2 ccSA5 on QoS Monitoring**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-1904761*

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

**S5-195048 Resubmitted Reply LS from RAN3 ccSA5 on QoS Monitoring**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-193282*

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

**S5-195049 Resubmitted LS reply from SA2 to SA5 on the slicing terminology and the role of S-NSSAI parameter**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-1902847*

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

**S5-195050 Resubmitted LS from SA2 to SA5 on User Data Congestion Analytics**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-1906797*

**Decision:** The document was **replied to in S5-195623**.

**S5-195052 Resubmitted LS from ITU-T to SA5 on cooperation on methodology harmonization and REST-based network management framework (reply to 3GPPTSGSA5-S5-185553 and 3GPP TSG SA5 - S5-187340)**

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

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

**S5-195054 Resubmitted LS from ITU-T to SA5 on new Recommendation Q.5020 (formerly Q.NS-LCMP): Protocol requirements and procedures for network slice lifecycle management**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG11*

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

**S5-195057 LS from BBF to SA5 on Femto Access Point Data Model Issue 2 (FAP:2) Updates**

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

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

**S5-195059 LS from SA2 to SA5 on PCF and NEF discovery for Edge Computing**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-1904837*

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

**S5-195062 LS from ITU-T to SA5 on LS/r on ITU-T Q.5020 completion (reply to ETSI NFV ISG-NFV(10)000095R1)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG11*

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

**S5-195080 Mapping between GST attributes and ServiceProfile IOC attributes**

*Type: discussion For: Discussion  
 Source: Orange, Nokia, Huawei*

**Decision:** The document was **revised to S5-195625**.

**S5-195625 Mapping between GST attributes and ServiceProfile IOC attributes**

*Type: discussion For: Discussion  
 Source: Orange, Nokia, Huawei*

(Replaces S5-195080)

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

**S5-195623 Reply LS on User Data Congestion Analytics**

*Type: LS out For: -  
 to SA2, cc RAN3  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-195481)

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

**S5-195559 Document sequence for 6.1 OAM&P Opening Session**

*Type: other For: Information  
 Source: OAM&P SWG chair*

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

**S5-195567 LS from SA4 cc SA5 on TS 26.501 5G Media Streaming (5GMS); General description and architecture (S4h190837/S2-1906842)**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: S4-191003*

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

### 6.2 New OAM&P Work Item proposals

**S5-195018 Minutes of New Work Item proposals - OAM&P**

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

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

**S5-195075 New WID on management aspects of edge computing**

*Type: WID new For: Approval  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-195638**.

**S5-195638 New WID on management aspects of edge computing**

*Type: WID new For: Approval  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-195075)

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

**S5-195076 New WID on Self-Organizing Networks (SON) for 5G networks**

*Type: WID new For: Approval  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-195632**.

**S5-195632 New WID on Self-Organizing Networks (SON) for 5G networks**

*Type: WID new For: Agreement  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-195076)

**Decision:** The document was **revised to S5-195899**.

**S5-195899 New WID on Self-Organizing Networks (SON) for 5G networks**

*Type: WID new For: Agreement  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-195632)

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

**S5-195197 new SID on study on KPI reporting**

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

**Decision:** The document was **revised to S5-195633**.

**S5-195633 new SID on study on KPI reporting**

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

(Replaces S5-195197)

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

**S5-195225 NWI on enhancement of 3GPP management system for multiple tenant envorinment support**

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

**Decision:** The document was **revised to S5-195637**.

**S5-195637 New WID on enhancement of 3GPP management system for multiple tenant envorinment support**

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

(Replaces S5-195225)

**Decision:** The document was **revised to S5-195942**.

**S5-195942 New WID on enhancement of 3GPP management system for multiple tenant envorinment support**

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

(Replaces S5-195637)

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

**S5-195262 Discussion on MDAS**

*Type: discussion For: Endorsement  
 Source: Intel, NEC, ZTE, TMO, AT&T, China Telecom, China Mobile*

**Decision:** The document was **revised to S5-195557**.

**S5-195263 New SID Study on Management Data Analytics Service**

*Type: SID new For: Approval  
 Source: Intel, NEC, ZTE, TMO, AT&T, China Telecom, China Mobile*

**Decision:** The document was **revised to S5-195558**.

**S5-195285 Discussion on management data analytics**

*Type: discussion For: Endorsement  
 Source: Huawei*

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

**S5-195287 New SID on management data analytics for 5G network and network slice**

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

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

**S5-195402 Discussion on SLA management aspect**

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

**Abstract:**

Discussion on SLA management aspect

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

**S5-195407 study on management aspects of 5G Service-Level Agreement**

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

**Decision:** The document was **revised to S5-195636**.

**S5-195636 study on management aspects of 5G Service-Level Agreement**

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

(Replaces S5-195407)

**Decision:** The document was **revised to S5-195943**.

**S5-195943 Study on management aspects of 5G Service-Level Agreement**

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

(Replaces S5-195636)

**Decision:** The document was **revised to S5-195954**.

**S5-195954 New Study on management aspects of 5G Service-Level Agreement**

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

(Replaces S5-195943)

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

**S5-195410 Discussion on SLA management aspect**

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

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

**S5-195473 Dr**

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

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

**S5-195476 New WID on levels of autonomous network**

*Type: WID new For: (not specified)  
 Source: China Mobile, Huawei, ZTE*

**Decision:** The document was **revised to S5-195626**.

**S5-195626 New WID on levels of autonomous network**

*Type: WID new For: -  
 Source: China Mobile, Huawei, ZTE*

(Replaces S5-195476)

**Decision:** The document was **revised to S5-195900**.

**S5-195900 New WID on levels of autonomous network**

*Type: WID new For: -  
 Source: China Mobile, Huawei, ZTE*

(Replaces S5-195626)

**Decision:** The document was **revised to S5-195930**.

**S5-195930 New SID on levels of autonomous network**

*Type: SID new For: -  
 Source: China Mobile, Huawei, ZTE*

(Replaces S5-195900)

**Decision:** The document was **revised to S5-195944**.

**S5-195944 New SID on levels of autonomous network**

*Type: SID new For: -  
 Source: China Mobile, Huawei, ZTE*

(Replaces S5-195930)

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

**S5-195530 New WID on Closed loop SLS assurance**

*Type: WID new For: Agreement  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-195627**.

**S5-195627 New WID on Closed loop SLS assurance**

*Type: WID new For: Agreement  
 Source: Ericsson India Private Limited, Deutsche Telekom*

(Replaces S5-195530)

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

**S5-195556 New WID on Non-file-based trace reporting**

*Type: WID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195628**.

**S5-195628 New WID on Streaming trace reporting**

*Type: WID new For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195556)

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

**S5-195557 Discussion on MDAS**

*Type: discussion For: Endorsement  
 Source: Intel, NEC, ZTE, TMO, AT&T, China Telecom, China Mobile, Verizon, Deutsche Telekom AG, P.I. Works*

**Decision:** The document was **revised to S5-195630**.

**S5-195630 Discussion on MDAS**

*Type: discussion For: Endorsement  
 Source: Intel, NEC, Deutsche Telekom AG, HUAWEI, ZTE, TNO, AT&T, China Telecom, China Mobile, Verizon UK Ltd, P.I. Works*

(Replaces S5-195557)

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

**S5-195558 New SID Study on Management Data Analytics Service**

*Type: SID new For: Approval  
 Source: Intel, NEC, ZTE, TMO, AT&T, China Telecom, China Mobile, Verizon UK Ltd, Deutsche Telekom AG, P.I. Works*

**Decision:** The document was **revised to S5-195631**.

**S5-195631 New SID Study on Management Data Analytics Service**

*Type: SID new For: Approval  
 Source: Intel, NEC, Deutsche Telekom AG, HUAWEI, ZTE, T-Mobile, AT&T, China Telecom, China Mobile, Verizon UK Ltd, China Unicom, P.I. Works, ETRI,Ericsson,Nokia*

(Replaces S5-195558)

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

**S5-195560 Document sequence for 6.2 New OAM&P Work Item proposals**

*Type: other For: Information  
 Source: OAM&P SWG chair*

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

**S5-195624 Document sequence for 6.2 New OAM&P Work Item proposals**

*Type: other For: Information  
 Source: OAM&P SWG chair*

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

### 6.3 OAM&P Maintenance and Rel-16 small Enhancements

**S5-195019 Minutes of OAM&P Maintenance and Rel-16 small Enhancements**

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

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

**S5-195077 Rel-16 CR 28.531 Add informative annex to describe a network slice journey**

*Type: CR For: Approval  
 28.531 v16.2.0 CR-0024 Cat: B (Rel-16)  
  
 Source: Orange, Nokia, Huawei*

**Decision:** The document was **revised to S5-195644**.

**S5-195644 Rel-16 CR 28.531 Add informative annex to describe a network slice journey**

*Type: CR For: Approval  
 28.531 v16.2.0 CR-0024 rev 1 Cat: B (Rel-16)  
  
 Source: Orange, Nokia, Huawei*

(Replaces S5-195077)

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

**S5-195089 Rel-15 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422**

*Type: CR For: Approval  
 32.421 v15.1.0 CR-0077 Cat: A (Rel-15)  
  
 Source: China Telecommunications*

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

**S5-195090 Rel-14 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422**

*Type: CR For: Approval  
 32.421 v14.0.0 CR-0078 Cat: A (Rel-14)  
  
 Source: China Telecommunications*

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

**S5-195091 Rel-13 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422**

*Type: CR For: Approval  
 32.421 v13.0.0 CR-0079 Cat: A (Rel-13)  
  
 Source: China Telecommunications*

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

**S5-195092 Rel-12 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422**

*Type: CR For: Approval  
 32.421 v12.1.0 CR-0080 Cat: A (Rel-12)  
  
 Source: China Telecommunications*

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

**S5-195093 Rel-11 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422**

*Type: CR For: Approval  
 32.421 v11.7.0 CR-0081 Cat: F (Rel-11)  
  
 Source: China Telecommunications*

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

**S5-195094 Rel-15 CR TS 28.550 Correction on the components of performance data streaming services**

*Type: CR For: Approval  
 28.550 v15.1.0 CR-0022 Cat: F (Rel-15)  
  
 Source: China Telecommunications, ZTE*

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

**S5-195095 Rel-16 CR TS 28.550 Correction on the components of performance data streaming services**

*Type: CR For: Approval  
 28.550 v16.1.0 CR-0023 Cat: A (Rel-16)  
  
 Source: China Telecommunications, ZTE*

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

**S5-195104 Rel-15 CR TS 28.541 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0125 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised**.

**S5-195738 Rel-15 CR TS 28.541 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0125 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195104)

**Decision:** The document was **revised to S5-195901**.

**S5-195901 Rel-15 CR TS 28.541 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0125 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195738)

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

**S5-195105 Rel-16 CR TS 28.541 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0126 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195739**.

**S5-195739 Rel-16 CR TS 28.541 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0126 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195105)

**Decision:** The document was **revised to S5-195902**.

**S5-195902 Rel-16 CR TS 28.541 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0126 rev 2 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195739)

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

**S5-195106 Rel-15 CR TS 28.622 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.622 v15.2.0 CR-0037 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195740**.

**S5-195740 Rel-15 CR TS 28.622 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.622 v15.2.0 CR-0037 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195106)

**Decision:** The document was **revised to S5-195903**.

**S5-195903 Rel-15 CR TS 28.622 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.622 v15.2.0 CR-0037 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195740)

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

**S5-195107 Rel-16 CR TS 28.622 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.622 v16.0.0 CR-0038 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195741**.

**S5-195741 Rel-16 CR TS 28.622 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.622 v16.0.0 CR-0038 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195107)

**Decision:** The document was **revised to S5-195904**.

**S5-195904 Rel-16 CR TS 28.622 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.622 v16.0.0 CR-0038 rev 2 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195741)

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

**S5-195108 Rel-15 CR TS 28.620 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.620 v15.0.0 CR-0014 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195742**.

**S5-195742 Rel-15 CR TS 28.620 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.620 v15.0.0 CR-0014 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195108)

**Decision:** The document was **revised to S5-195905**.

**S5-195905 Rel-15 CR TS 28.620 Update class definition with inheritance information**

*Type: CR For: Agreement  
 28.620 v15.0.0 CR-0014 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195742)

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

**S5-195109 Rel-15 CR TS 28.533 Add description of MnS provided by NF**

*Type: CR For: Agreement  
 28.533 v15.1.0 CR-0025 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195647**.

**S5-195647 Rel-15 CR TS 28.533 Add description of MnS provided by NF**

*Type: CR For: Agreement  
 28.533 v15.1.0 CR-0025 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195109)

**Decision:** The document was **revised to S5-195906**.

**S5-195906 Rel-15 CR TS 28.533 Add description of MnS provided by NF**

*Type: CR For: Agreement  
 28.533 v15.1.0 CR-0025 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195647)

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

**S5-195110 Rel-16 CR TS 28.533 Add description of MnS provided by NF**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0026 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195648**.

**S5-195648 Rel-16 CR TS 28.533 Add description of MnS provided by NF**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0026 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195110)

**Decision:** The document was **revised to S5-195907**.

**S5-195907 Rel-16 CR TS 28.533 Add description of MnS provided by NF**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0026 rev 2 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195648)

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

**S5-195111 Rel-15 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework**

*Type: CR For: Agreement  
 28.533 v15.1.0 CR-0027 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195112 Rel-16 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0028 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195649**.

**S5-195649 Rel-16 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0028 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195112)

**Decision:** The document was **revised to S5-195945**.

**S5-195945 Rel-16 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0028 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195649)

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

**S5-195113 Rel-15 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0127 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195743**.

**S5-195743 Rel-15 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0127 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195113)

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

**S5-195114 Rel-16 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0128 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195744**.

**S5-195744 Rel-16 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0128 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195114)

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

**S5-195115 Rel-15 CR TS 28.541 Correct XML solution set for NR**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0129 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195735**.

**S5-195735 Rel-15 CR TS 28.541 Correct XML solution set for NR**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0129 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195115)

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

**S5-195116 Rel-16 CR TS 28.541 Correct XML solution set for NR**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0130 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195117 Rel-15 CR TS 28.541 Correct XML solution set for Network slice**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0131 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195118 Rel-16 CR TS 28.541 Correct XML solution set for Network slice**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0132 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195119 Rel-15 CR TS 28.533 Add deployment scenario**

*Type: CR For: Agreement  
 28.533 v15.1.0 CR-0029 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195650**.

**S5-195650 Rel-15 CR TS 28.533 Add deployment scenario**

*Type: CR For: Agreement  
 28.533 v15.1.0 CR-0029 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195119)

**Decision:** The document was **revised to S5-195908**.

**S5-195908 Rel-15 CR TS 28.533 Add deployment scenario**

*Type: CR For: Agreement  
 28.533 v15.1.0 CR-0029 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195650)

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

**S5-195120 Rel-16 CR TS 28.533 Add deployment scenario**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0030 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195651**.

**S5-195651 Rel-16 CR TS 28.533 Add deployment scenario**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0030 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195120)

**Decision:** The document was **revised to S5-195909**.

**S5-195909 Rel-16 CR TS 28.533 Add deployment scenario**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0030 rev 2 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195651)

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

**S5-195121 Rel-15 CR TS 28.531 Add the identifier description**

*Type: CR For: Agreement  
 28.531 v15.3.0 CR-0025 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195122 Rel-16 CR TS 28.531 Add the identifier description**

*Type: CR For: Agreement  
 28.531 v16.2.0 CR-0026 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195641**.

**S5-195641 Rel-16 CR TS 28.531 Add the identifier description**

*Type: CR For: Agreement  
 28.531 v16.2.0 CR-0026 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195122)

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

**S5-195129 Rel-15 CR 28.532 Global reorganization plus correcting operation names and wrong references**

*Type: CR For: Agreement  
 28.532 v15.2.0 CR-0037 rev 2 Cat: F (Rel-15)  
  
 Source: AT&T, Huawei, Orange*

(Replaces S5-194413)

**Decision:** The document was **revised to S5-195645**.

**S5-195645 Rel-15 CR 28.532 Global reorganization plus correcting operation names and wrong references**

*Type: CR For: Agreement  
 28.532 v15.2.0 CR-0037 rev 3 Cat: F (Rel-15)  
  
 Source: AT&T, Huawei, Orange*

(Replaces S5-195129)

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

**S5-195130 Rel-16 CR 28.532 Global reorganization plus correcting operation names and wrong references**

*Type: CR For: Agreement  
 28.532 v16.0.0 CR-0038 rev 2 Cat: A (Rel-16)  
  
 Source: AT&T, Huawei, Orange*

(Replaces S5-194414)

**Decision:** The document was **revised to S5-195646**.

**S5-195646 Rel-16 CR 28.532 Global reorganization plus correcting operation names and wrong references**

*Type: CR For: Agreement  
 28.532 v16.0.0 CR-0038 rev 3 Cat: A (Rel-16)  
  
 Source: AT&T, Huawei, Orange*

(Replaces S5-195130)

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

**S5-195153 Rel-15 CR 28.550 Add the missing stage 2 solutions for performance data streaming service**

*Type: CR For: Approval  
 28.550 v15.1.0 CR-0024 Cat: F (Rel-15)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-195885**.

**S5-195885 Rel-15 CR 28.550 Add the missing stage 2 solutions for performance data streaming service**

*Type: CR For: Approval  
 28.550 v15.1.0 CR-0024 rev 1 Cat: F (Rel-15)  
  
 Source: Intel,China Telecom,ZTE*

(Replaces S5-195153)

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

**S5-195154 Rel-15 CR 28.550 Add the missing stage 3 solutions for performance data streaming service**

*Type: CR For: Approval  
 28.550 v15.1.0 CR-0025 Cat: F (Rel-15)  
  
 Source: Intel, Nokia*

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

**S5-195752 Rel-15 CR 28.550 Add the missing stage 3 solutions for performance data streaming service**

*Type: CR For: Approval  
 28.550 v15.1.0 CR-0014 rev 3 Cat: F (Rel-15)  
  
 Source: Intel, Nokia*

(Replaces S5-194534)

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

**S5-195155 Rel-16 CR 28.550 Add the missing stage 3 solutions for performance data streaming service**

*Type: CR For: Approval  
 28.550 v16.1.0 CR-0026 Cat: A (Rel-16)  
  
 Source: Intel, Nokia*

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

**S5-195886 Rel-16 CR 28.550 Add the missing stage 3 solutions for performance data streaming service**

*Type: CR For: Approval  
 28.550 v16.1.0 CR-0009 rev 3 Cat: A (Rel-16)  
  
 Source: Intel, Nokia*

(Replaces S5-194535)

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

**S5-195178 Rel-16 CR TS 28.541 Clarification on slice model**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0133 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195745**.

**S5-195745 Rel-16 CR TS 28.541 Clarification on slice model**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0133 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195178)

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

**S5-195181 Rel-16 CR TS 28.533 add managment coordination with NWDAF**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0031 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195736**.

**S5-195736 Rel-16 CR TS 28.533 add managment coordination with NWDAF**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0031 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195181)

**Decision:** The document was **revised to S5-195912**.

**S5-195912 Rel-16 CR TS 28.533 add managment coordination with NWDAF**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0031 rev 2 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195736)

**Decision:** The document was **revised to S5-195946**.

**S5-195946 Rel-16 CR TS 28.533 add managment coordination with NWDAF**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0031 rev 3 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195912)

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

**S5-195192 Rel-15 CR TS 28.554 Correct the title of KPI**

*Type: CR For: Agreement  
 28.554 v15.3.0 CR-0023 Cat: F (Rel-15)  
  
 Source: ZTE Trunking Technology Corp.*

**Decision:** The document was **revised to S5-195750**.

**S5-195750 Rel-15 CR TS 28.554 Correct the title of KPI**

*Type: CR For: Agreement  
 28.554 v15.3.0 CR-0023 rev 1 Cat: F (Rel-15)  
  
 Source: ZTE Trunking Technology Corp.*

(Replaces S5-195192)

**Decision:** The document was **revised to S5-195910**.

**S5-195910 Rel-15 CR TS 28.554 Correct the title of KPI**

*Type: CR For: Agreement  
 28.554 v15.3.0 CR-0023 rev 2 Cat: F (Rel-15)  
  
 Source: ZTE Trunking Technology Corp.*

(Replaces S5-195750)

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

**S5-195193 Rel-16 CR TS 28.554 Correct the title of KPI**

*Type: CR For: Agreement  
 28.554 v16.1.0 CR-0024 Cat: A (Rel-16)  
  
 Source: ZTE Trunking Technology Corp.*

**Decision:** The document was **revised to S5-195751**.

**S5-195751 Rel-16 CR TS 28.554 Correct the title of KPI**

*Type: CR For: Agreement  
 28.554 v16.1.0 CR-0024 rev 1 Cat: A (Rel-16)  
  
 Source: ZTE Trunking Technology Corp.*

(Replaces S5-195193)

**Decision:** The document was **revised to S5-195911**.

**S5-195911 Rel-16 CR TS 28.554 Correct the title of KPI**

*Type: CR For: Agreement  
 28.554 v16.1.0 CR-0024 rev 2 Cat: A (Rel-16)  
  
 Source: ZTE Trunking Technology Corp.*

(Replaces S5-195751)

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

**S5-195198 Rel-15 CR TS 28.622 Add measurements attribute into related IOCs**

*Type: CR For: Agreement  
 28.622 v15.2.0 CR-0039 Cat: F (Rel-15)  
  
 Source: ZTE Trunking Technology Corp.*

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

**S5-195199 Rel-16 CR TS 28.622 Add measurements attribute into related IOCs**

*Type: CR For: Agreement  
 28.622 v16.0.0 CR-0040 Cat: F (Rel-16)  
  
 Source: ZTE Trunking Technology Corp.*

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

**S5-195226 CR Rel-8 32.426 Correct description of measurement KPI of paging**

*Type: CR For: Agreement  
 32.426 v8.1.0 CR-0080 Cat: F (Rel-8)  
  
 Source: Huawei*

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

**S5-195227 CR Rel-9 32.426 Correct description of measurement KPI of paging**

*Type: CR For: Agreement  
 32.426 v9.5.0 CR-0081 Cat: A (Rel-9)  
  
 Source: Huawei*

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

**S5-195228 CR Rel-10 32.426 Correct description of measurement KPI of paging**

*Type: CR For: Agreement  
 32.426 v10.5.0 CR-0082 Cat: A (Rel-10)  
  
 Source: Huawei*

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

**S5-195229 CR Rel-11 32.426 Correct description of measurement KPI of paging**

*Type: CR For: Agreement  
 32.426 v11.4.0 CR-0083 Cat: A (Rel-11)  
  
 Source: Huawei*

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

**S5-195230 CR Rel-12 32.426 Correct description of measurement KPI of paging**

*Type: CR For: Agreement  
 32.426 v12.0.0 CR-0084 Cat: A (Rel-12)  
  
 Source: Huawei*

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

**S5-195231 CR Rel-13 32.426 Correct description of measurement KPI of paging**

*Type: CR For: Agreement  
 32.426 v13.0.0 CR-0085 Cat: A (Rel-13)  
  
 Source: Huawei*

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

**S5-195232 CR Rel-14 32.426 Correct description of measurement KPI of paging**

*Type: CR For: Agreement  
 32.426 v14.1.0 CR-0086 Cat: A (Rel-14)  
  
 Source: Huawei*

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

**S5-195233 CR Rel-15 32.426 Correct description of measurement KPI of paging**

*Type: CR For: Agreement  
 32.426 v15.2.0 CR-0087 Cat: A (Rel-15)  
  
 Source: Huawei*

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

**S5-195264 Rel-16 CR TR 32.972 Correct external reference version number**

*Type: CR For: Agreement  
 32.972 v16.0.0 CR-0001 Cat: F (Rel-16)  
  
 Source: Orange*

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

**S5-195283 Rel-16 CR TS 28.552 Correction of Registered subscribers measurement for AMF**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0115 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

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

**S5-195284 Rel-15 CR TS 28.552 Correction of Registered subscribers measurement for AMF**

*Type: CR For: Approval  
 28.552 v15.3.0 CR-0116 Cat: A (Rel-15)  
  
 Source: China Mobile Com. Corporation*

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

**S5-195288 Rel-16 CR TS 28.552 Add Registered subscribers related measurements for AMF**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0118 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

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

**S5-195289 Rel-15 CR TS 28.552 Add Registered subscribers related measurements for AMF**

*Type: CR For: Approval  
 28.552 v15.3.0 CR-0119 Cat: A (Rel-15)  
  
 Source: China Mobile Com. Corporation*

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

**S5-195290 Rel-15 CR TS 28.531 Add the identifier description**

*Type: CR For: Agreement  
 28.531 v15.3.0 CR-0023 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-194462)

**Decision:** The document was **revised to S5-195640**.

**S5-195640 Rel-15 CR TS 28.531 Add the identifier description**

*Type: CR For: Agreement  
 28.531 v15.3.0 CR-0023 rev 3 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195290)

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

**S5-195291 Rel-16 CR 28.541 Correction of Network slice NRM relationship**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0134 Cat: A (Rel-16)  
  
 Source: China Telecom Corporation Ltd.*

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

**S5-195292 Rel-16 CR TS 28.552 Add Unregistered subscribers related measurements for UDM**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0120 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

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

**S5-195293 Rel-15 CR TS 28.552 Add Unregistered subscribers related measurements for UDM**

*Type: CR For: Approval  
 28.552 v15.3.0 CR-0121 Cat: A (Rel-15)  
  
 Source: China Mobile Com. Corporation*

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

**S5-195294 Rel-16 CR 28.541 Correction of Network slice NRM relationship**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0135 Cat: A (Rel-16)  
  
 Source: China Telecom Corporation Ltd.*

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

**S5-195382 Rel 15 CR TS 28.530 NST Definition**

*Type: CR For: Approval  
 28.530 v15.1.0 CR-0008 Cat: F (Rel-15)  
  
 Source: Samsung R&D Institute UK*

**Abstract:**

The NST is not defined in 28.530 but it being referred in the same specification twice. This contribution defines NST in 28.530.

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

**S5-195389 Add missing NR cell and freq relation**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0136 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

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

**S5-195390 Add YANG mount info v2**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0137 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-195746**.

**S5-195746 Add YANG mount info v2**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0137 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-195390)

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

**S5-195392 Add YANG solution**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0138 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

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

**S5-195393 Correct slice NRM**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0139 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

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

**S5-195395 Correct use of Proxy**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0140 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-195515**.

**S5-195399 Remove pLMNId from GNBDUFunction**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0141 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

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

**S5-195403 Correct definitions of granularity period**

*Type: CR For: Approval  
 28.622 v15.2.0 CR-0041 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-195897**.

**S5-195897 Correct definitions of granularity period**

*Type: CR For: Approval  
 28.622 v15.2.0 CR-0041 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-195403)

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

**S5-195405 Add IDL XML YANG solution**

*Type: CR For: Approval  
 28.623 v15.2.0 CR-0025 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

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

**S5-195406 Add YANG mount info v2**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0142 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-195747**.

**S5-195747 Add YANG mount info v2**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0142 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

(Replaces S5-195406)

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

**S5-195408 Add YANG solution v2**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0143 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-195409 Correct slice NRM**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0144 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-195411 Remove pLMNId from GNBDUFunction**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0145 Cat: A (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-195412 To syn up with v1540 stage 2**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0146 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-195748 To syn up with v1540 stage 2**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0146 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-195413 Clarify optional configurable PM support**

*Type: CR For: Approval  
 28.622 v16.0.0 CR-0042 Cat: A (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-195419 Rel15 generate JSON definition for generic NRM based on new style guideline**

*Type: CR For: Agreement  
 28.623 v15.2.0 CR-0023 rev 2 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-194467)

**Decision:** The document was **revised to S5-195683**.

**S5-195683 Rel15 generate JSON definition for generic NRM based on new style guideline**

*Type: CR For: Agreement  
 28.623 v15.2.0 CR-0023 rev 3 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195419)

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

**S5-195420 Rel15 generate JSON definition for NR NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0117 rev 2 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-194468)

**Decision:** The document was **revised to S5-195684**.

**S5-195684 Rel15 generate JSON definition for NR NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0117 rev 3 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195420)

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

**S5-195421 Rel15 generate JSON definition for Network Slice NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0118 rev 2 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-194469)

**Decision:** The document was **revised to S5-195685**.

**S5-195685 Rel15 generate JSON definition for Network Slice NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0118 rev 3 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195421)

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

**S5-195422 Rel15 generate JSON definition for 5GC NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0147 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195692**.

**S5-195692 Rel15 generate JSON definition for 5GC NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0147 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195422)

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

**S5-195423 Rel15 Fix NR NRM to add missed ID info**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0148 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195693**.

**S5-195693 Rel15 Fix NR NRM to add missed ID info**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0148 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195423)

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

**S5-195434 Correct PMControl v2**

*Type: CR For: Approval  
 28.622 v16.0.0 CR-0043 Cat: A (Rel-16)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-195673**.

**S5-195673 Correct PMControl (Add report period attribute and disambiguate the delivery method attributes)**

*Type: CR For: Approval  
 28.622 v16.0.0 CR-0043 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson Inc.*

(Replaces S5-195434)

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

**S5-195435 Add IDL XML YANG solution**

*Type: CR For: Approval  
 28.623 v16.0.0 CR-0027 Cat: A (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-195448 Discussion paper around NR beam representation**

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

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

**S5-195449 Rel-15 CR TS 28.541 Align XML Solution Set for 5GC**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0151 Cat: F (Rel-15)  
  
 Source: Huawei Tech.(UK) Co., Ltd*

**Decision:** The document was **revised to S5-195634**.

**S5-195634 Rel-15 CR TS 28.541 Align XML Solution Set for 5GC**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0151 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei Tech.(UK) Co., Ltd*

(Replaces S5-195449)

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

**S5-195451 Rel-16 CR TS 28.541 XML Solution Set for 5GC**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0152 Cat: F (Rel-16)  
  
 Source: CMCC, Huawei*

**Decision:** The document was **revised to S5-195635**.

**S5-195635 Rel-16 CR TS 28.541 XML Solution Set for 5GC**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0152 rev 1 Cat: F (Rel-16)  
  
 Source: CMCC, Huawei*

(Replaces S5-195451)

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

**S5-195469 Correction of NR to NCR and Remove not needed abbreviations**

*Type: CR For: Approval  
 28.655 v15.0.0 CR-0009 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195470 Remove not used reference and add reference instead of abbreviation**

*Type: CR For: Approval  
 28.616 v15.0.0 CR-0007 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195471 Correction of NR definition to avoid misalignment with RAN2**

*Type: CR For: Approval  
 28.621 v15.0.0 CR-0004 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195472 Correct NR definition to avoid misalignment with RAN2 and add NRM definition**

*Type: CR For: (not specified)  
 28.622 v16.0.0 CR-0044 Cat: A (Rel-16)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195474 Correct definition of NR to align with RAN2**

*Type: CR For: Approval  
 32.302 v15.0.0 CR-0013 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195475 Correct references and add reference to TR21.905**

*Type: CR For: Approval  
 28.662 v15.1.0 CR-0009 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195477 Correct references and add definition of NRM**

*Type: CR For: Approval  
 28.663 v15.1.0 CR-0020 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195478 Correct NR definition to avoid misalignment with RAN2 and add NRM definition**

*Type: CR For: Approval  
 28.622 v15.2.0 CR-0045 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195479 Remove NR with wrong definition to avoid misalignment with RAN2**

*Type: CR For: Approval  
 28.624 v15.0.0 CR-0002 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195480 Remove not used abbreviation to avoid misalignment with RAN2**

*Type: CR For: Approval  
 28.625 v15.0.0 CR-0003 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195482 Remove wrong definition of NR as abbreviation to avoid misalignment with RAN2**

*Type: CR For: Approval  
 32.312 v15.0.0 CR-0014 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195483 Correction of NR definition to avoid misalignment with RAN2**

*Type: CR For: Approval  
 32.600 v15.0.0 CR-0004 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195485 Correction of NR definition to avoid misalignment with RAN2**

*Type: CR For: Approval  
 32.606 v15.0.0 CR-0006 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195486 Correction of NR definition to avoid misalignment with RAN2**

*Type: CR For: Approval  
 32.600 v15.0.0 CR-0005 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195487 Correction of NR definition to avoid misalignment with RAN2**

*Type: CR For: Approval  
 32.616 v15.0.0 CR-0007 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195488 Correction of NR definition to avoid misalignment with SA2**

*Type: CR For: Approval  
 32.661 v15.0.0 CR-0006 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195489 Correction of NR definition to avoid misalignment with RAN2**

*Type: CR For: Approval  
 32.666 v15.0.0 CR-0006 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195490 Correction of NR definition to avoid misalignment with RAN2 in 32.690**

*Type: CR For: Approval  
 32.690 v15.0.0 CR-0003 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195491 Correction of NR definition to avoid misalignment with RAN2**

*Type: CR For: Approval  
 32.612 v15.0.0 CR-0028 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195492 Correction of NR definition to avoid misalignment with RAN2**

*Type: CR For: Approval  
 32.602 v15.0.0 CR-0014 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195493 Correction of NR definition to avoid misalignment with RAN2**

*Type: CR For: Approval  
 32.662 v15.0.0 CR-0018 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195494 Correct references and remove not need abbreviations**

*Type: CR For: Approval  
 28.623 v15.2.0 CR-0028 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195495 Correct references and remove not need abbreviations**

*Type: CR For: Approval  
 28.623 v16.0.0 CR-0029 Cat: A (Rel-16)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195509 Add missing (NR) cell and frequency relation**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0086 rev 2 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.,Huawei*

(Replaces S5-193529)

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

**S5-195512 Add YANG solution**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0113 rev 3 Cat: F (Rel-15)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-194523)

**Decision:** The document was **revised to S5-195749**.

**S5-195749 Add YANG solution**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0113 rev 4 Cat: F (Rel-15)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-195512)

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

**S5-195513 Enhancements to 32.158**

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

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

**S5-195514 Correct UML diagram and role-attribute of slice NRM**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0093 rev 2 Cat: F (Rel-16)  
  
 Source: Ericsson Inc. Huawei*

(Replaces S5-193438)

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

**S5-195515 Correct use of Proxy**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0140 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-195395)

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

**S5-195516 Correct use of Proxy class**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0095 rev 2 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-193447)

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

**S5-195517 Rel-15 CR 28.541 Remove pLMNId from GNBDUFunction**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0122 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Limited*

(Replaces S5-194283)

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

**S5-195518 Add RP attribute and disambiguate the delivery method attributes**

*Type: CR For: Approval  
 28.622 v15.2.0 CR-0034 rev 2 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-193440)

**Decision:** The document was **revised to S5-195674**.

**S5-195674 Correct PMControl (Add report period attribute and disambiguate the delivery method attributes)**

*Type: CR For: Approval  
 28.622 v15.2.0 CR-0034 rev 3 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-195518)

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

**S5-195521 CR Rel-15 28.541 Correct ETSI NFV reference**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0153 Cat: F (Rel-15)  
  
 Source: Ericsson India Private Limited*

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

**S5-195522 CR Rel-16 28.541 Correct ETSI NFV reference**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0154 Cat: A (Rel-16)  
  
 Source: Ericsson India Private Limited*

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

**S5-195526 CR Rel-15 28.531 Remove NSST and update related text**

*Type: CR For: Approval  
 28.531 v15.3.0 CR-0027 Cat: F (Rel-15)  
  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-195642**.

**S5-195642 CR Rel-15 28.531 Remove NSST and update related text**

*Type: CR For: Approval  
 28.531 v15.3.0 CR-0027 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson India Private Limited,Nokia,Deutsche Telekom*

(Replaces S5-195526)

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

**S5-195527 CR Rel-16 28.531 Remove NSST and update related text**

*Type: CR For: Approval  
 28.531 v16.2.0 CR-0028 Cat: A (Rel-16)  
  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-195643**.

**S5-195643 CR Rel-16 28.531 Remove NSST and update related text**

*Type: CR For: Approval  
 28.531 v16.2.0 CR-0028 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson India Private Limited,Nokia,Deutsche Telekom*

(Replaces S5-195527)

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

**S5-195529 Add IDL XML YANG solution**

*Type: CR For: Approval  
 28.623 v15.2.0 CR-0022 rev 2 Cat: F (Rel-15)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-194391)

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

**S5-195535 Rel-15 CR 28623 v1520 Add Generic NRM IRP solution sets**

*Type: CR For: Approval  
 28.623 v15.2.0 CR-0022 rev 3 Cat: F (Rel-15)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-194391)

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

**S5-195536 CR 28.530 - Fix inconsistencies related to service requirements**

*Type: CR For: Approval  
 28.530 v15.1.0 CR-0009 Cat: F (Rel-15)  
  
 Source: Nokia*

**Decision:** The document was **revised to S5-195639**.

**S5-195639 CR 28.530 - Fix inconsistencies related to service requirements**

*Type: CR For: Approval  
 28.530 v15.1.0 CR-0009 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia,Samsung*

(Replaces S5-195536)

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

**S5-195538 Rel-15 CR TS 28.541 Add NRM Info Model definitions for beam managed object class**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0051 rev 7 Cat: C (Rel-15)  
  
 Source: Pivotal Commware, ZTE, Intel, P.I. Works, China Mobile, Verizon, BT, AT&T, Cisco*

(Replaces S5-194473)

**Decision:** The document was **revised to S5-195850**.

**S5-195850 Rel-15 CR TS 28.541 Add NRM Info Model definitions for beam managed object class**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0051 rev 8 Cat: C (Rel-15)  
  
 Source: Pivotal Commware, ZTE, Intel, P.I. Works, China Mobile, Verizon, BT, AT&T, Cisco*

(Replaces S5-195538)

**Decision:** The document was **revised to S5-195914**.

**S5-195914 Rel-15 CR TS 28.541 Add NRM Info Model definitions for beam managed object class**

*Type: CR For: Agreement  
 28.541 v15.3.0 CR-0051 rev 9 Cat: C (Rel-15)  
  
 Source: Pivotal Commware, ZTE, Intel, P.I. Works, China Mobile, Verizon, BT, AT&T, Cisco*

(Replaces S5-195850)

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

**S5-195539 CR 28.531 - Fix inconsistencies related to service requirements**

*Type: CR For: Approval  
 28.531 v15.3.0 CR-0029 Cat: F (Rel-15)  
  
 Source: Nokia*

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

**S5-195540 CR 28.531 - Fix inconsistencies related to service requirements**

*Type: CR For: Approval  
 28.531 v16.2.0 CR-0030 Cat: A (Rel-16)  
  
 Source: Nokia*

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

**S5-195541 Correction of NR definition to avoid misalignment with RAN2 in 32.690**

*Type: CR For: Approval  
 32.690 v15.0.0 CR-0004 Cat: F (Rel-15)  
  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195542 Correct granularity period defn**

*Type: CR For: Approval  
 28.622 v16.0.0 CR-0046 Cat: A (Rel-16)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-195898**.

**S5-195898 Correct definitions of granularity period**

*Type: CR For: Approval  
 28.622 v16.0.0 CR-0046 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson Inc.*

(Replaces S5-195542)

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

**S5-195543 Correct Import table**

*Type: CR For: Approval  
 28.541 v15.3.0 CR-0155 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

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

**S5-195544 Correct Import table**

*Type: CR For: Approval  
 28.541 v16.1.0 CR-0156 Cat: A (Rel-16)  
  
 Source: Ericsson Inc.*

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

**S5-195545 Correct conditional mandatory qualifications for SectorEquipmentFunction**

*Type: CR For: Approval  
 28.622 v15.2.0 CR-0047 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

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

**S5-195548 Rel-15 CR 28.532 Remove subscriptionId from notifyMOICreation input parameters**

*Type: CR For: Agreement  
 28.532 v15.2.0 CR-0053 Cat: F (Rel-15)  
  
 Source: Orange*

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

**S5-195549 Rel-16 CR 28.532 Remove subscriptionId from notifyMOICreation input parameters**

*Type: CR For: Agreement  
 28.532 v16.0.0 CR-0054 Cat: A (Rel-16)  
  
 Source: Orange*

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

**S5-195561 Document sequence for 6.3 OAM&P Maintenance and Rel-16 small Enhancements**

*Type: other For: Information  
 Source: OAM&P SWG chair*

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

**S5-195562 Rel16 generate JSON definition for Network Slice NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0157 Cat: A (Rel-16)  
  
 Source: Nokia Solutions & Networks (I)*

**Decision:** The document was **revised to S5-195705**.

**S5-195705 Rel16 generate JSON definition for Network Slice NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0157 rev 1 Cat: A (Rel-16)  
  
 Source: Nokia Solutions & Networks (I)*

(Replaces S5-195562)

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

**S5-195563 Rel16 generate JSON definition for NR NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0158 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195706**.

**S5-195706 Rel16 generate JSON definition for NR NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0158 rev 1 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195563)

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

**S5-195568 TDoc sequence proposal for the OA&M CR session**

*Type: other For: Information  
 Source: WG Vice Chair (Orange)*

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

**S5-195681 Minutes of the breakout session**

*Type: report For: Information  
 Source: Nokia*

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

**S5-195737 Rel-15 CR TS 28.533 add managment coordination with NWDAF**

*Type: CR For: Agreement  
 28.533 v15.1.0 CR-0037 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195913**.

**S5-195913 Rel-15 CR TS 28.533 add managment coordination with NWDAF**

*Type: CR For: Agreement  
 28.533 v15.1.0 CR-0037 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195737)

**Decision:** The document was **revised to S5-195947**.

**S5-195947 Rel-15 CR TS 28.533 add managment coordination with NWDAF**

*Type: CR For: Agreement  
 28.533 v15.1.0 CR-0037 rev 2 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195913)

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

### 6.4 Rel-16 Operations, Administration, Maintenance and Provisioning (OAM&P)

#### 6.4.1 Management of QoE measurement collection

**S5-195020 Minutes of Management of QoE measurement collection**

*Type: report For: (not specified)  
 Source: Rapporteur (Ericsson)*

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

**S5-195098 Presentation of TS 28.404 for Approval to SA#85**

*Type: TS or TR cover For: (not specified)  
 28.404 v..  
 Source: Nanjing Ericsson Panda Com Ltd*

**Decision:** The document was **revised to S5-195656**.

**S5-195656 Presentation of TS 28.404 for Approval to SA#85**

*Type: TS or TR cover For: -  
 28.404 v..  
 Source: Nanjing Ericsson Panda Com Ltd*

(Replaces S5-195098)

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

**S5-195099 Presentation of TS 28.405 for Information to SA#85**

*Type: TS or TR cover For: (not specified)  
 28.405 v0.7.0  
 Source: Nanjing Ericsson Panda Com Ltd*

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

**S5-195100 Revised WID on Management of QoE measurement collection**

*Type: WID revised For: (not specified)  
 Source: Nanjing Ericsson Panda Com Ltd*

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

**S5-195504 pCR R16 28.308-010 Add DASH and MTSI to Scope**

*Type: pCR For: (not specified)  
 28.308 v0.1.0  
 Source: Ericsson*

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

**S5-195505 pCR R16 28.308-010 Add missing abbreviations**

*Type: pCR For: (not specified)  
 28.308 v0.1.0  
 Source: Ericsson*

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

**S5-195506 pCR R16 28.308-010 Add QMCJob**

*Type: pCR For: (not specified)  
 28.308 v0.1.0  
 Source: Ericsson*

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

**S5-195507 pCR R16 28.404-110 Streaming indication and simultaneous QMCs**

*Type: pCR For: (not specified)  
 28.404 v1.1.0  
 Source: Ericsson*

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

**S5-195508 pCR R16 28.405-060 Signalling based activation in UTRAN**

*Type: pCR For: (not specified)  
 28.405 v0.7.0  
 Source: Ericsson*

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

**S5-195511 pCR R16 28.405-070 Forced deactivation**

*Type: pCR For: (not specified)  
 28.405 v0.7.0  
 Source: Ericsson GmbH, Eurolab*

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

**S5-195652 Sequence proposal**

*Type: other For: Information  
 Source: Ericsson*

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

**S5-195655 Draft TS 28.404**

*Type: draft TS For: Approval  
 28.404 v1.2.0  
 Source: Ericsson*

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

**S5-195657 Draft TS 28.405**

*Type: draft TS For: Approval  
 28.405 v0.8.0  
 Source: Ericsson*

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

**S5-195658 Draft TS 28.308**

*Type: draft TS For: Approval  
 28.308 v0.2.0  
 Source: Ericsson*

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

**S5-195659 LS on Quality of experience measurement collection**

*Type: LS out For: Approval  
 to CT1,RAN2,RAN3,SA4  
 Source: Ericsson*

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

#### 6.4.2 Energy Efficiency of 5G

**S5-195021 Minutes of Energy effciency of 5G**

*Type: report For: (not specified)  
 Source: Rapporteur (ORANGE)*

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

**S5-195053 Resubmitted LS from ITU-T to SA5 on Energy Efficiency on 5G (reply to 3GPP TSG SA5-S5-191344)**

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

**Decision:** The document was **replied to in S5-195088**.

**S5-195088 LS reply on energy efficiency**

*Type: LS out For: Approval  
 to ITU-T SG5, cc SA,ETSI TC EE  
 Source: Orange*

**Decision:** The document was **revised to S5-195667**.

**S5-195667 LS reply on energy efficiency**

*Type: LS out For: Approval  
 to ITU-T SG5, cc SA  
 Source: Orange*

(Replaces S5-195088)

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

**S5-195666 pCR 28.861 revise use cases for energy saving**

*Type: pCR For: -  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-195170)

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

**S5-195180 Rel-16 CR 28.552 Add PEE measurements and related use case description**

*Type: CR For: Agreement  
 28.552 v16.2.0 CR-0111 Cat: B (Rel-16)  
  
 Source: Ericsson, Huawei, Orange*

**Decision:** The document was **revised to S5-195660**.

**S5-195660 Rel-16 CR 28.552 Add PEE measurements and related use case description**

*Type: CR For: Agreement  
 28.552 v16.2.0 CR-0111 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson, Huawei, Orange*

(Replaces S5-195180)

**Decision:** The document was **revised to S5-195915**.

**S5-195915 Rel-16 CR 28.552 Add PEE measurements and related use case description**

*Type: CR For: Agreement  
 28.552 v16.2.0 CR-0111 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson, Huawei, Orange*

(Replaces S5-195660)

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

**S5-195269 pCR 28.310 Update scope**

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

**Decision:** The document was **revised to S5-195664**.

**S5-195664 pCR 28.310 Update scope**

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

(Replaces S5-195269)

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

**S5-195270 pCR 28.310 Add references for gNB deployment scenarios**

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

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

**S5-195271 pCR 28.310 Add definitions for supporting 5G ESM**

*Type: pCR For: Approval  
 28.310 v0.4.0  
 Source: Huawei, Orange*

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

**S5-195662 pCR 28.310 Add definitions for supporting 5G ESM**

*Type: pCR For: Approval  
 28.310 v0.4.0  
 Source: Huawei, Orange*

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

**S5-195272 pCR 28.310 Add concept of energy saving management**

*Type: pCR For: Approval  
 28.310 v0.4.0  
 Source: Huawei, Orange*

**Decision:** The document was **revised to S5-195663**.

**S5-195663 pCR 28.310 Add concept of energy saving management**

*Type: pCR For: Approval  
 28.310 v0.4.0  
 Source: Huawei, Orange*

(Replaces S5-195272)

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

**S5-195273 pCR 28.310 Add use case of gNB overlaid**

*Type: pCR For: Approval  
 28.310 v0.4.0  
 Source: Huawei, Orange*

**Decision:** The document was **revised to S5-195665**.

**S5-195665 pCR 28.310 Add use case of gNB overlaid**

*Type: pCR For: Approval  
 28.310 v0.4.0  
 Source: Huawei, Orange,Intel*

(Replaces S5-195273)

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

**S5-195274 pCR 28.310 Add EE control framework**

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

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

**S5-195654 TDoc sequence proposal**

*Type: other For: Information  
 Source: Orange*

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

**S5-195661 Draft TS 28.310**

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

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

**S5-195699 Presentation of TS 28.310 for Information to SA#85**

*Type: TS or TR cover For: Approval  
 28.310 v..  
 Source: Orange*

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

#### 6.4.3 Network policy management for mobile networks based on NFV scenarios

**S5-195022 Minutes of Network policy management for mobile networks based on NFV scenarios**

*Type: report For: (not specified)  
 Source: Rapporteur (China Mobile)*

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

**S5-195179 pCR 28.311 Add abbreviations**

*Type: pCR For: Approval  
 28.311 v0.3.0  
 Source: China Mobile Com. Corporation*

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

**S5-195191 pCR 28.311 Add references**

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

**Decision:** The document was **revised to S5-195843**.

**S5-195843 pCR 28.311 Add references**

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

(Replaces S5-195191)

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

**S5-195194 pCR 28.311 Add overview**

*Type: pCR For: Approval  
 28.311 v0.3.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-195845**.

**S5-195845 pCR 28.311 Add overview**

*Type: pCR For: Approval  
 28.311 v0.3.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-195194)

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

**S5-195195 pCR 28.311 Rewrite business level requirements**

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

**Decision:** The document was **revised to S5-195846**.

**S5-195846 pCR 28.311 Rewrite business level requirements**

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

(Replaces S5-195195)

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

**S5-195196 pCR 28.311 Add specification level requirements**

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

**Decision:** The document was **revised to S5-195847**.

**S5-195847 pCR 28.311 Add specification level requirements**

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

(Replaces S5-195196)

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

**S5-195844 Draft TS 28.311**

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

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

#### 6.4.4 Methodology for 5G management specifications

**S5-195023 Minutes of Methodology for 5G management specifications**

*Type: report For: (not specified)  
 Source: Rapporteur (Ericsson)*

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

**S5-195510 pCR 32.160 Add JSON schema mapping rules**

*Type: pCR For: Approval  
 32.160 v1.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195525 Presentation of TS 32.160 for approval to SA#85**

*Type: TS or TR cover For: Information  
 32.160 v1.3.0  
 Source: Ericsson India Private Limited*

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

**S5-195537 YANG style guide additions**

*Type: discussion For: Agreement  
 32.160 v..  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-195851**.

**S5-195851 YANG style guide additions**

*Type: discussion For: Agreement  
 32.160 v..  
 Source: Ericsson Inc.*

(Replaces S5-195537)

**Decision:** The document was **revised to S5-195916**.

**S5-195916 YANG style guide additions**

*Type: discussion For: Agreement  
 32.160 v..  
 Source: Ericsson Inc.*

(Replaces S5-195851)

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

**S5-195848 Draft TS 32.160**

*Type: draft TS For: Approval  
 32.160 v1.4.0  
 Source: Ericsson*

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

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

**S5-195024 Minutes of Intent driven management service for mobile networks**

*Type: report For: (not specified)  
 Source: Rapporteur (Huawei)*

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

**S5-195182 pCR 28.812 Clean-up**

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

**Decision:** The document was **revised to S5-195675**.

**S5-195675 pCR 28.812 Clean-up**

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

(Replaces S5-195182)

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

**S5-195183 pCR 28.812 Add solution for Cell Rehoming**

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

**Decision:** The document was **revised to S5-195852**.

**S5-195852 pCR 28.812 Add solution for Cell Rehoming**

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

(Replaces S5-195183)

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

**S5-195184 pCR 28.812 Add description for intent driven action**

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

**Decision:** The document was **revised to S5-195677**.

**S5-195677 pCR 28.812 Add description for intent driven action**

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

(Replaces S5-195184)

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

**S5-195185 pCR 28.812 Add description for intent driven object**

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

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

**S5-195678 pCR 28.812 Add description for intent driven object**

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

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

**S5-195186 pCR 28.812 Update the description of the intent state transition**

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

**Decision:** The document was **revised to S5-195679**.

**S5-195679 pCR 28.812 Update the description of the intent state transition**

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

(Replaces S5-195186)

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

**S5-195187 pCR 28.812 Add feedback in intent driven network optimization scenario**

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

**Decision:** The document was **revised to S5-195680**.

**S5-195680 pCR 28.812 Add feedback in intent driven network optimization scenario**

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

(Replaces S5-195187)

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

**S5-195188 pCR 28.812 Add the solution for intent driven network optimization scenario**

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

**Decision:** The document was **revised to S5-195853**.

**S5-195853 pCR 28.812 Add the solution for intent driven network optimization scenario**

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

(Replaces S5-195188)

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

**S5-195189 pCR 28.812 Add the solution for network provisioning scenario**

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

**Decision:** The document was **revised to S5-195854**.

**S5-195854 pCR 28.812 Add the solution for network provisioning scenario**

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

(Replaces S5-195189)

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

**S5-195190 pCR 28.812 Add Conclusion and Recommendation**

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

**Decision:** The document was **revised to S5-195858**.

**S5-195858 pCR 28.812 Add Conclusion and Recommendation**

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

(Replaces S5-195190)

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

**S5-195385 Rel-16 pCR 28.812 Intent for CSI deployemnt at the edge**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-195682**.

**S5-195682 Rel-16 pCR 28.812 Intent for CSI deployemnt at the edge**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Samsung R&D Institute UK*

(Replaces S5-195385)

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

**S5-195496 pCR 28.812 Update the intent translation**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

**Decision:** The document was **revised to S5-195855**.

**S5-195855 pCR 28.812 Update the intent translation**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S5-195496)

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

**S5-195497 pCR 28.812 Actors roles and management**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

**Decision:** The document was **revised to S5-195857**.

**S5-195857 pCR 28.812 Actors roles and management**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S5-195497)

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

**S5-195498 pCR 28.812 Correction of terminology IDM and IDMS**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

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

**S5-195499 pCR 28.812 Scenarios for Intent driven management services for mobile network**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

**Decision:** The document was **revised to S5-195875**.

**S5-195875 pCR 28.812 Scenarios for Intent driven management services for mobile network**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S5-195499)

**Decision:** The document was **revised to S5-195919**.

**S5-195919 pCR 28.812 Scenarios for Intent driven management services for mobile network**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S5-195875)

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

**S5-195500 pCR 28.812 Add definitions and abbreviations**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

**Decision:** The document was **revised to S5-195856**.

**S5-195856 pCR 28.812 Add definitions and abbreviations**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S5-195500)

**Decision:** The document was **revised to S5-195920**.

**S5-195920 pCR 28.812 Add definitions and abbreviations**

*Type: pCR For: Approval  
 28.812 v0.6.0  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S5-195856)

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

**S5-195564 Sequence proposal for 6.4.5**

*Type: other For: (not specified)  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-195676 Draft TR 28.812**

*Type: draft TR For: Approval  
 28.812 v0.7.0  
 Source: Huawei*

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

#### 6.4.6 Enhancement of performance assurance for 5G networks including network slicing

**S5-195025 Minutes of Enhancement of performance assurance for 5G networks including network slicing**

*Type: report For: (not specified)  
 Source: Rapporteur (Intel)*

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

**S5-195156 Discussion on E2E Delay measurements and control**

*Type: discussion For: Endorsement  
 Source: Intel*

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

**S5-195157 Rel-16 CR 28.552 Update and add delay related measurements for NG-RAN**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0101 Cat: B (Rel-16)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-195689**.

**S5-195689 Rel-16 CR 28.552 Update and add delay related measurements for NG-RAN**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0101 rev 1 Cat: B (Rel-16)  
  
 Source: Intel*

(Replaces S5-195157)

**Decision:** The document was **revised to S5-195922**.

**S5-195922 Rel-16 CR 28.552 Update and add delay related measurements for NG-RAN**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0101 rev 2 Cat: B (Rel-16)  
  
 Source: Intel*

(Replaces S5-195689)

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

**S5-195158 Rel-16 CR 28.552 Update and add latency related measurements for NG-RAN**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0102 Cat: B (Rel-16)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-195690**.

**S5-195690 Rel-16 CR 28.552 Update and add latency related measurements for NG-RAN**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0102 rev 1 Cat: B (Rel-16)  
  
 Source: Intel*

(Replaces S5-195158)

**Decision:** The document was **revised to S5-195923**.

**S5-195923 Rel-16 CR 28.552 Update and add latency related measurements for NG-RAN**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0102 rev 2 Cat: B (Rel-16)  
  
 Source: Intel*

(Replaces S5-195690)

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

**S5-195159 Rel-16 CR 28.552 Add measurements related to RTT N3 delay for UL data packets on gNB CU-UP**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0103 Cat: B (Rel-16)  
  
 Source: Intel*

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

**S5-195160 Rel-16 CR 28.552 Update and add measurements related to RTT N3 delay for DL data packets on UPF**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0104 Cat: B (Rel-16)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-195691**.

**S5-195691 Rel-16 CR 28.552 Update and add measurements related to RTT N3 delay for DL data packets on UPF**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0104 rev 1 Cat: B (Rel-16)  
  
 Source: Intel, Huawei*

(Replaces S5-195160)

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

**S5-195161 Rel-16 CR 28.552 Add measurements related to RTT N9 delay**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0105 Cat: B (Rel-16)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-195696**.

**S5-195696 Rel-16 CR 28.552 Add measurements related to RTT N9 delay**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0105 rev 1 Cat: B (Rel-16)  
  
 Source: Intel*

(Replaces S5-195161)

**Decision:** The document was **revised to S5-195924**.

**S5-195924 Rel-16 CR 28.552 Add measurements related to RTT N9 delay**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0105 rev 2 Cat: B (Rel-16)  
  
 Source: Intel*

(Replaces S5-195696)

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

**S5-195162 Rel-16 CR 28.552 Add measurements related to delay within UPF**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0106 Cat: B (Rel-16)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-195697**.

**S5-195697 Rel-16 CR 28.552 Add measurements related to delay within UPF**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0106 rev 1 Cat: B (Rel-16)  
  
 Source: Intel*

(Replaces S5-195162)

**Decision:** The document was **revised to S5-195925**.

**S5-195925 Rel-16 CR 28.552 Add measurements related to delay within UPF**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0106 rev 2 Cat: B (Rel-16)  
  
 Source: Intel*

(Replaces S5-195697)

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

**S5-195163 Rel-16 CR 28.552 Add measurements on one way delay between PSA UPF and NG-RAN**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0107 Cat: B (Rel-16)  
  
 Source: Intel*

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

**S5-195164 Rel-16 CR 28.552 Add measurements on RTT delay between PSA UPF and NG-RAN**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0108 Cat: B (Rel-16)  
  
 Source: Intel*

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

**S5-195165 Rel-16 CR 28.552 Add measurements on RTT delay between PSA UPF and UE**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0109 Cat: B (Rel-16)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-195698**.

**S5-195698 Rel-16 CR 28.552 Add measurements on RTT delay between PSA UPF and UE**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0109 rev 1 Cat: B (Rel-16)  
  
 Source: Intel,ETRI*

(Replaces S5-195165)

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

**S5-195177 Add use case and definitions of user plane packet delay measurement between UE and UPF**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0110 Cat: B (Rel-16)  
  
 Source: ETRI*

**Abstract:**

Add the following measurements:

- DL user plane data packet delay from UPF to UE

- UL user plane data packet delay from UE to UPF

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

**S5-195224 Rel-16 CR TS 28.550 NSI and NSSI performance assurance**

*Type: CR For: Agreement  
 28.550 v16.1.0 CR-0027 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195686**.

**S5-195686 Rel-16 CR TS 28.550 NSI and NSSI performance assurance**

*Type: CR For: Agreement  
 28.550 v16.1.0 CR-0027 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei,Ericsson*

(Replaces S5-195224)

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

**S5-195240 Discussion paper around Bursty and Continuous flows**

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

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

**S5-195244 Add measurements related to DRB retainability**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0081 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-193389)

**Decision:** The document was **revised to S5-195700**.

**S5-195700 Add measurements related to DRB retainability**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0081 rev 3 Cat: B (Rel-16)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-195244)

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

**S5-195250 Add KPI for DRB Retainability**

*Type: CR For: Approval  
 28.554 v16.1.0 CR-0016 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-193390)

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

**S5-195266 Add Number of PDU session creation in HR roaming scenario**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0112 Cat: B (Rel-16)  
  
 Source: ETRI*

**Decision:** The document was **revised to S5-195701**.

**S5-195701 Add Number of PDU session creation in HR roaming scenario**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0112 rev 1 Cat: B (Rel-16)  
  
 Source: ETRI*

(Replaces S5-195266)

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

**S5-195267 Update the measurement related to Number of PDU session creation**

*Type: CR For: (not specified)  
 28.552 v16.2.0 CR-0113 Cat: F (Rel-16)  
  
 Source: ETRI*

**Decision:** The document was **revised to S5-195702**.

**S5-195702 Update the measurement related to Number of PDU session creation**

*Type: CR For: -  
 28.552 v16.2.0 CR-0113 rev 1 Cat: F (Rel-16)  
  
 Source: ETRI*

(Replaces S5-195267)

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

**S5-195268 Add UE Configuration Update procedure related measurements**

*Type: CR For: (not specified)  
 28.552 v16.2.0 CR-0114 Cat: B (Rel-16)  
  
 Source: ETRI*

**Decision:** The document was **revised to S5-195703**.

**S5-195703 Add UE Configuration Update procedure related measurements**

*Type: CR For: -  
 28.552 v16.2.0 CR-0114 rev 1 Cat: B (Rel-16)  
  
 Source: ETRI*

(Replaces S5-195268)

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

**S5-195286 Rel-16 CR TS 28.552 Correction of QoS flow monitoring for SMF**

*Type: CR For: Agreement  
 28.552 v16.2.0 CR-0117 Cat: F (Rel-16)  
  
 Source: China Mobile Com. Corporation*

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

**S5-195374 Rel-16 CR TS 28.552 Modify PM definition for non-spit NG-RAN scenario**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0122 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195704**.

**S5-195704 Rel-16 CR TS 28.552 Modify PM definition for non-spit NG-RAN scenario**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0122 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195374)

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

**S5-195375 Rel-16 CR TS 28.552 Modify DRB setup management related measurements**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0123 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195707**.

**S5-195707 Rel-16 CR TS 28.552 Modify DRB setup management related measurements**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0123 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195375)

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

**S5-195376 Rel-16 CR TS 28.552 Modify PDU Sessions setup related measurements**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0124 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195708**.

**S5-195708 Rel-16 CR TS 28.552 Modify PDU Sessions setup related measurements**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0124 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195376)

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

**S5-195377 Rel-16 CR TS 28.552 Modify the definition of Round-trip GTP Data Packet Delay**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0125 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-195378 Rel-16 CR TS 28.552 Add Packet Drop Rate related measurements**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0126 Cat: B (Rel-16)  
  
 Source: Huawei*

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

**S5-195709 Rel-16 CR TS 28.552 Add Packet Drop Rate related measurements**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0126 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

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

**S5-195379 Rel-16 CR TS 28.554 Add definition of integrated downlink latency in RAN**

*Type: CR For: Approval  
 28.554 v16.1.0 CR-0025 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195710**.

**S5-195710 Rel-16 CR TS 28.554 Add definition of integrated downlink latency in RAN**

*Type: CR For: Approval  
 28.554 v16.1.0 CR-0025 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195379)

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

**S5-195380 S5-195380 Rel-16 CR TS 28.554 Add analytical KPI of user data suppression level**

*Type: CR For: Approval  
 28.554 v16.1.0 CR-0026 Cat: B (Rel-16)  
  
 Source: Huawei*

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

**S5-195381 Rel-16 CR TS 28.554 Add Analytical KPI of Traffic Load Level**

*Type: CR For: Approval  
 28.554 v16.1.0 CR-0027 Cat: B (Rel-16)  
  
 Source: Huawei*

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

**S5-195386 Add NSI performance threshold monitoring service**

*Type: CR For: Approval  
 28.550 v16.1.0 CR-0028 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

**Abstract:**

Added NSI threshold monitoring service

**Decision:** The document was **revised to S5-195687**.

**S5-195687 Add use case for NSI performance threshold monitoring**

*Type: CR For: Approval  
 28.550 v16.1.0 CR-0028 rev 1 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-195386)

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

**S5-195387 Add NSSI performance threshold monitoring service**

*Type: CR For: Approval  
 28.550 v16.1.0 CR-0029 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

**Abstract:**

Add NSSI performance threshold monitoring service

**Decision:** The document was **revised to S5-195688**.

**S5-195688 Add use case for NSSI performance threshold monitoring**

*Type: CR For: Approval  
 28.550 v16.1.0 CR-0029 rev 1 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-195387)

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

**S5-195388 Add a new KPI definition of Inter-gNB handover Execution time of one single network slice**

*Type: CR For: Approval  
 28.554 v16.1.0 CR-0028 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

**Abstract:**

Add a new KPI definition of Inter-gNB handover Execution time of one single network slice

**Decision:** The document was **revised to S5-195732**.

**S5-195732 Add a new KPI definition of Inter-gNB handover Execution time of one single network slice**

*Type: CR For: Approval  
 28.554 v16.1.0 CR-0028 rev 1 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-195388)

**Decision:** The document was **revised to S5-195926**.

**S5-195926 Add a new KPI definition of Inter-gNB handover Execution time of one single network slice**

*Type: CR For: Approval  
 28.554 v16.1.0 CR-0028 rev 2 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-195732)

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

**S5-195391 Add a new KPI definition of PDU session EstablishmentTime of one single network slice**

*Type: CR For: Approval  
 28.554 v16.1.0 CR-0029 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

**Abstract:**

Add a new KPI definition of PDU session EstablishmentTime of one single network slice

**Decision:** The document was **revised to S5-195733**.

**S5-195733 Add a new KPI definition of PDU session EstablishmentTime of one single network slice**

*Type: CR For: Approval  
 28.554 v16.1.0 CR-0029 rev 1 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-195391)

**Decision:** The document was **revised to S5-195927**.

**S5-195927 Add a new KPI definition of PDU session EstablishmentTime of one single network slice**

*Type: CR For: Approval  
 28.554 v16.1.0 CR-0029 rev 2 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-195733)

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

**S5-195394 Add a descripment of Inter-gNB handover Execution time measurement**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0127 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

**Abstract:**

Add a descripment of Inter-gNB handover Execution time measurement

**Decision:** The document was **revised to S5-195711**.

**S5-195711 Add a descripment of Inter-gNB handover Execution time measurement**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0127 rev 1 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-195394)

**Decision:** The document was **revised to S5-195928**.

**S5-195928 Add a description of Inter-gNB handover Execution time measurement**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0127 rev 2 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-195711)

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

**S5-195400 Add a descripment of PDU session establishment time measurement**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0128 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-195734**.

**S5-195734 Add a descripment of PDU session establishment time measurement**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0128 rev 1 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-195400)

**Decision:** The document was **revised to S5-195929**.

**S5-195929 Add a description of PDU session establishment time measurement**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0128 rev 2 Cat: B (Rel-16)  
  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-195734)

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

**S5-195414 TD Voice quality Discussion paper**

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

**Decision:** The document was **revised to S5-195869**.

**S5-195869 TD Voice quality Discussion paper**

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

(Replaces S5-195414)

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

**S5-195415 Add measurements related to extended QFI1 QoS Flow Retainability monitoring**

*Type: CR For: Agreement  
 28.552 v16.2.0 CR-0129 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195870**.

**S5-195870 Add measurements related to extended QFI1 QoS Flow Retainability monitoring**

*Type: CR For: Agreement  
 28.552 v16.2.0 CR-0129 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195415)

**Decision:** The document was **revised to S5-195948**.

**S5-195948 Add measurements related to extended QFI1 QoS Flow Retainability monitoring**

*Type: CR For: Agreement  
 28.552 v16.2.0 CR-0129 rev 2 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195870)

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

**S5-195416 Add new KPI related to extended QFI1 QoS Flow Retainability monitoring**

*Type: CR For: Agreement  
 28.554 v16.1.0 CR-0030 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195871**.

**S5-195871 Add new KPI related to extended QFI1 QoS Flow Retainability monitoring**

*Type: CR For: Agreement  
 28.554 v16.1.0 CR-0030 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195416)

**Decision:** The document was **revised to S5-195949**.

**S5-195949 Add new KPI related to extended QFI1 QoS Flow Retainability monitoring**

*Type: CR For: Agreement  
 28.554 v16.1.0 CR-0030 rev 2 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195871)

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

**S5-195417 Add measurements related to extended QCI1 Retainability monitoring**

*Type: CR For: Agreement  
 32.425 v16.3.0 CR-0198 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195936**.

**S5-195936 Add measurements related to extended QCI1 Retainability monitoring**

*Type: CR For: Agreement  
 32.425 v16.3.0 CR-0198 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195417)

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

**S5-195418 Add new specification requirement related to extended QCI1 Retainability monitoring**

*Type: CR For: Agreement  
 32.451 v15.1.0 CR-0006 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195950**.

**S5-195950 Add new specification requirement related to extended QCI1 Retainability monitoring**

*Type: CR For: Agreement  
 32.451 v15.1.0 CR-0006 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195418)

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

**S5-195446 Add use case and definitions of DL user plane packet delay measurement from UPF to UE**

*Type: CR For: Approval  
 28.552 v16.2.0 CR-0130 Cat: B (Rel-16)  
  
 Source: ETRI*

**Abstract:**

Add use case and definitions of DL user plane packet delay measurement from UPF to UE

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

**S5-195447 Add use case and definitions of UL user plane packet delay measurement from UE to UPF**

*Type: CR For: Approval  
 28.522 v15.0.0 CR-0003 Cat: B (Rel-16)  
  
 Source: ETRI*

**Abstract:**

Add use case and definitions of UL user plane packet delay measurement from UE to UPF

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

**S5-195481 draft Reply LS on User Data Congestion Analytics**

*Type: LS out For: (not specified)  
 to SA2, cc RAN3  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-195623**.

**S5-195620 Tdoc sequence**

*Type: other For: Information  
 Source: Intel*

**Decision:** The document was **revised to S5-195668**.

**S5-195668 Tdoc sequence**

*Type: other For: Information  
 Source: Intel*

(Replaces S5-195620)

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

#### 6.4.7 Discovery of management services in 5G

**S5-195026 Minutes of Discovery of management services in 5G**

*Type: report For: (not specified)  
 Source: Rapporteur (Huawei)*

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

**S5-195218 Rel-16 CR TS 28.530 Add use case MnS query and related requirement**

*Type: CR For: Agreement  
 28.530 v15.1.0 CR-0007 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195775**.

**S5-195775 Rel-16 CR TS 28.530 Add use case MnS query and related requirement**

*Type: CR For: Agreement  
 28.530 v15.1.0 CR-0007 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195218)

**Decision:** The document was **revised to S5-195931**.

**S5-195931 Rel-16 CR TS 28.530 Add use case MnS query and related requirement**

*Type: CR For: Agreement  
 28.530 v15.1.0 CR-0007 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195775)

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

**S5-195219 Rel-16 CR TS 28.533 Add management service discovery solution concept**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0032 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195778**.

**S5-195778 Rel-16 CR TS 28.533 Add management service discovery solution concept**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0032 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195219)

**Decision:** The document was **revised to S5-195932**.

**S5-195932 Rel-16 CR TS 28.533 Add management service discovery solution concept**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0032 rev 2 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195778)

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

**S5-195220 Rel-16 CR TS 28.533 Remove use case MnS query and related requirement**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0033 Cat: B (Rel-16)  
  
 Source: Huawei*

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

**S5-195221 Rel-16 CR TS 28.533 Getting management service URI for MnS discovery**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0034 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195780**.

**S5-195780 Rel-16 CR TS 28.533 Getting management service URI for MnS discovery**

*Type: CR For: Agreement  
 28.533 v16.0.0 CR-0034 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195221)

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

**S5-195222 Rel-16 CR TS 28.532 Add stage 2 and stage 3 definition for MnSCapabilityQuery operation**

*Type: CR For: Agreement  
 28.532 v16.0.0 CR-0050 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195779**.

**S5-195779 Rel-16 CR TS 28.532 Add stage 2 and stage 3 definition for MnSCapabilityQuery operation**

*Type: CR For: Agreement  
 28.532 v16.0.0 CR-0050 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195222)

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

**S5-195519 CR Rel-15 28.533 Remove MnS query**

*Type: CR For: Approval  
 28.533 v15.1.0 CR-0035 Cat: F (Rel-15)  
  
 Source: Ericsson India Private Limited*

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

**S5-195776 CR Rel-15 28.533 Remove MnS query**

*Type: CR For: Approval  
 28.533 v15.1.0 CR-0035 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson India Private Limited,Huawei*

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

**S5-195520 CR Rel-16 28.533 Remove MnS query**

*Type: CR For: Approval  
 28.533 v16.0.0 CR-0036 Cat: A (Rel-16)  
  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-195777**.

**S5-195777 CR Rel-16 28.533 Remove MnS query**

*Type: CR For: Approval  
 28.533 v16.0.0 CR-0036 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson India Private Limited, Huawei*

(Replaces S5-195520)

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

#### 6.4.8 NRM enhancements

**S5-195027 Minutes of NRM enhancements**

*Type: report For: (not specified)  
 Source: Rapporteur (Nokia)*

**Decision:** The document was **revised to S5-195895**.

**S5-195895 Minutes of NRM enhancements**

*Type: report For: -  
 Source: Rapporteur (Nokia)*

(Replaces S5-195027)

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

**S5-195252 Discussion paper around RRM Policy**

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

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

**S5-195424 Rel16 generate JSON definition for generic NRM based on new style guideline**

*Type: CR For: Agreement  
 28.623 v16.0.0 CR-0026 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195694**.

**S5-195694 Rel16 generate JSON definition for generic NRM based on new style guideline**

*Type: CR For: Agreement  
 28.623 v16.0.0 CR-0026 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195424)

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

**S5-195425 Rel16 generate JSON definition for 5G NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0149 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195695**.

**S5-195695 Rel16 generate JSON definition for 5G NRM based on new style guideline**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0149 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195425)

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

**S5-195426 Rel16 Fix NR NRM to add missed ID info**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0150 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195774**.

**S5-195774 Rel16 Fix NR NRM to add missed ID info**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0150 rev 1 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195426)

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

**S5-195427 Rel16 Update 5GC Information Service to align with Managed Service Definition**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0089 rev 2 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-193399)

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

**S5-195428 Rel16 Support NF Profile management**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0114 rev 2 Cat: C (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-194457)

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

**S5-195429 TD General GST to 3GPP NRM mapping**

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

**Decision:** The document was **revised to S5-195781**.

**S5-195781 TD General GST to 3GPP NRM mapping**

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

(Replaces S5-195429)

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

**S5-195430 TD GST QoS to 3GPP NRM mapping**

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

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

**S5-195431 TD P-NEST to 3GPP NRM mapping**

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

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

**S5-195432 TD Service Profile to slice profile mapping**

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

**Decision:** The document was **revised to S5-195782**.

**S5-195782 TD Service Profile to slice profile mapping**

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

(Replaces S5-195432)

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

**S5-195773 Rel-16 CR TS 28.541 Add mapping table of 3GPP ServiceProfile and GSMA GST**

*Type: CR For: Agreement  
 28.541 v16.1.0 CR-0159 Cat: B (Rel-16)  
  
 Source: Huawei*

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

**S5-195888 Way forward for NRM stage 2 and 3 alignment**

*Type: discussion For: Endorsement  
 Source: Nokia, Huawei, Ericsson*

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

#### 6.4.9 Trace Management in the context of Services Based Management Architecture

**S5-195028 Minutes of Trace Management in the context of Services Based Management Architecture**

*Type: report For: (not specified)  
 Source: Rapporteur (Nokia)*

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

#### 6.4.10 Integration of ONAP and 3GPP 5G management framework

**S5-195029 Minutes of Integration of ONAP and 3GPP 5G management framework**

*Type: report For: (not specified)  
 Source: Rapporteur (AT&T))*

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

**S5-195081 Discussion paper on Heartbeat MnS specification for 5G**

*Type: discussion For: Endorsement  
 Source: AT&T, Deutsche Telekom, Orange*

**Decision:** The document was **revised to S5-195836**.

**S5-195836 Discussion paper on Heartbeat MnS specification for 5G**

*Type: discussion For: Endorsement  
 Source: AT&T, Deutsche Telekom, Orange*

(Replaces S5-195081)

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

**S5-195082 Heartbeat MnS - Stage 1 - TS Skeleton**

*Type: other For: Approval  
 Source: AT&T, Deutsche Telekom, Orange*

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

**S5-195083 pCR Heartbeat MnS - Stage 1 - Intro, Scope, Overview**

*Type: other For: Agreement  
 Source: AT&T, Deutsche Telekom, Orange*

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

**S5-195084 pCR Heartbeat MnS - Stage 1 - Use cases, Requirements**

*Type: other For: Agreement  
 Source: AT&T, Deutsche Telekom, Orange*

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

**S5-195085 pCR Heartbeat MnS - Stage 1 - Management services, Procedures**

*Type: other For: Agreement  
 Source: AT&T, Deutsche Telekom, Orange*

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

**S5-195086 Rel-16 CR 28.622 Add NRM fragment supporting the management of notification subscriptions**

*Type: CR For: Approval  
 28.622 v16.0.0 CR-0036 Cat: B (Rel-16)  
  
 Source: AT&T, Deutsche Telekom, Nokia, Orange*

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

**S5-195087 Rel-16 CR 28.623 Add NRM fragment supporting the management of notification subscriptions**

*Type: CR For: Agreement  
 28.623 v16.0.0 CR-0024 Cat: B (Rel-16)  
  
 Source: AT&T, Deutsche Telekom, Nokia, Orange*

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

**S5-195236 Draft CR Rel-16 28.532 Add Heartbeat MnS Stage 2 and 3**

*Type: draftCR For: Agreement  
 28.532 v16.0.0  
 Source: AT&T, Deutsche Telekom, Orange*

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

**S5-195396 Rel-16 CR TS 28.532 Add RESTful HTTP-based solution set of file-based performance assurance for integration with ONAP VES**

*Type: CR For: Agreement  
 28.532 v16.0.0 CR-0051 Cat: B (Rel-16)  
  
 Source: Huawei*

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

**S5-195397 Discussion on Netconf-based solution for provisioning MnS**

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

**Decision:** The document was **revised to S5-195803**.

**S5-195803 Discussion on Netconf-based solution for provisioning MnS**

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

(Replaces S5-195397)

**Decision:** The document was **revised to S5-195934**.

**S5-195934 Discussion on Netconf-based solution for provisioning MnS**

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

(Replaces S5-195803)

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

**S5-195398 Rel-16 CR TS 28.532 Add Netconf-based solution set for provisioning services**

*Type: CR For: Agreement  
 28.532 v16.0.0 CR-0052 Cat: B (Rel-16)  
  
 Source: Huawei*

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

**S5-195566 Possible solutions for configurable subscriptions**

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

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

**S5-195653 Sequence proposal**

*Type: other For: Information  
 Source: AT&T*

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

**S5-195849 Shadow TS 28.aaa Heartbeat**

*Type: other For: Approval  
 Source: Orange*

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

### 6.5 OAM&P Studies

#### 6.5.1 Study on protocol enhancement for real time communication

**S5-195030 Minutes of Study on protocol enhancement for real time communication**

*Type: report For: (not specified)  
 Source: Rapporteur(Nokia)*

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

#### 6.5.2 Study on management aspects of edge computing

**S5-195031 Minutes of Study on management aspects of edge computing**

*Type: report For: (not specified)  
 Source: Rapporteur (Intel)*

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

**S5-195265 Way forward for the edge computing management study**

*Type: discussion For: Endorsement  
 28.803 v..  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-195804**.

**S5-195804 Way forward for the edge computing management study**

*Type: discussion For: Endorsement  
 28.803 v..  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-195265)

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

**S5-195805 Cover sheet draft TR28.803**

*Type: TS or TR cover For: Approval  
 28.803 v..  
 Source: Intel*

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

#### 6.5.3 Study on tenancy concept in 5G networks and network slicing management

**S5-195032 Minutes of Study on tenancy concept in 5G networks and network slicing management**

*Type: report For: (not specified)  
 Source: Rapporteur (Huawei)*

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

**S5-195208 pCR 28.804 Use cases of management capability for tenant**

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

**Decision:** The document was **revised to S5-195806**.

**S5-195806 pCR 28.804 Use cases of management capability for tenant**

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

(Replaces S5-195208)

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

**S5-195209 pCR 28.804 Conclusion and recommendations**

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

**Decision:** The document was **revised to S5-195830**.

**S5-195830 pCR 28.804 Conclusion and recommendations**

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

(Replaces S5-195209)

**Decision:** The document was **revised to S5-195935**.

**S5-195935 pCR 28.804 Conclusion and recommendations**

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

(Replaces S5-195830)

**Decision:** The document was **revised to S5-195951**.

**S5-195951 pCR 28.804 Conclusion and recommendations**

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

(Replaces S5-195935)

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

**S5-195210 pCR 28.804 EGMF in multiple tenants environment**

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

**Decision:** The document was **revised to S5-195808**.

**S5-195808 pCR 28.804 EGMF in multiple tenants environment**

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

(Replaces S5-195210)

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

**S5-195211 pCR 28.804 Management capability of tenant**

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

**Decision:** The document was **revised to S5-195810**.

**S5-195810 pCR 28.804 Management capability of tenant**

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

(Replaces S5-195211)

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

**S5-195212 pCR 28.804 Add tenancy relation with CSI**

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

**Decision:** The document was **revised to S5-195807**.

**S5-195807 pCR 28.804 Add tenancy relation with CSI**

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

(Replaces S5-195212)

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

**S5-195213 pCR 28.804 Fault supervision management to support multiple tenant environment**

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

**Decision:** The document was **revised to S5-195811**.

**S5-195811 pCR 28.804 Fault supervision management to support multiple tenant environment**

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

(Replaces S5-195213)

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

**S5-195214 pCR 28.804 NF performance measurment to support multiple tenant environment**

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

**Decision:** The document was **revised to S5-195812**.

**S5-195812 pCR 28.804 NF performance measurment to support multiple tenant environment**

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

(Replaces S5-195214)

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

**S5-195215 pCR 28.804 Provisioning management service enhancement to support multiple tenant environment**

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

**Decision:** The document was **revised to S5-195813**.

**S5-195813 pCR 28.804 Provisioning management service enhancement to support multiple tenant environment**

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

(Replaces S5-195215)

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

**S5-195216 pCR 28.804 remove EN**

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

**Decision:** The document was **revised to S5-195814**.

**S5-195814 pCR 28.804 remove EN**

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

(Replaces S5-195216)

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

**S5-195217 Presentation sheet for TR 28.804**

*Type: TS or TR cover For: (not specified)  
 28.804 v..  
 Source: Huawei*

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

**S5-195565 Tdoc discussion sequence**

*Type: other For: Information  
 Source: Huawei Technologies Co. Ltd.*

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

**S5-195809 Draft TR 28.804**

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

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

#### 6.5.4 Study on management aspects of communication services

**S5-195033 Minutes of Study on management aspects of communication services**

*Type: report For: (not specified)  
 Source: Rapporteur (Ericsson)*

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

**S5-195223 pCR 28.805 MDA-assistant SLA Evaluation**

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

**Decision:** The document was **revised to S5-195840**.

**S5-195840 pCR 28.805 MDA-assistant SLA Evaluation**

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

(Replaces S5-195223)

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

**S5-195275 pCR 28.805 Mapping of 3GPP ServiceProfile and GSMA GST NEST**

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

**Decision:** The document was **revised to S5-195831**.

**S5-195831 pCR 28.805 Mapping of 3GPP ServiceProfile and GSMA GST NEST**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Huawei,Ericsson*

(Replaces S5-195275)

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

**S5-195276 pCR 28.805 Resolution of two editor notes**

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

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

**S5-195277 pCR 28.805 Update on solution for translation of SLA into SLA requirements**

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

**Decision:** The document was **revised to S5-195834**.

**S5-195834 pCR 28.805 Update on solution for translation of SLA into SLA requirements**

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

(Replaces S5-195277)

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

**S5-195278 pCR 28.805 Updates to MDA-Assisted network optimization**

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

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

**S5-195279 pCR 28.805 updates to CSMF function**

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

**Decision:** The document was **revised to S5-195833**.

**S5-195833 pCR 28.805 updates to CSMF function**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Huawei,Ericsson, Deutsche Telekom*

(Replaces S5-195279)

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

**S5-195295 Rel-16 pCR 28.805 Solution for communication services creation**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Samsung R&D Institute UK*

**Abstract:**

This contribution provides solution for the communication service creation.

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

**S5-195835 Rel-16 pCR 28.805 Solution for communication services creation**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Samsung R&D Institute UK*

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

**S5-195384 Rel-16 pCR 28.805 Solution for management aspects of NSI utilized by multiple communication services**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Samsung R&D Institute UK*

**Abstract:**

As depicted in the document a NSI can be utilized by multiple Communication Service. While utilizing NSIs with sharing, effect of all services on that NSI and its constituent should be considered. Effects of loads of services can be evaluated using histor

**Decision:** The document was **revised to S5-195837**.

**S5-195837 Rel-16 pCR 28.805 Solution for management aspects of NSI utilized by multiple communication services**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Samsung R&D Institute UK*

(Replaces S5-195384)

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

**S5-195523 pCR 28.805 Extend management model to include slicing scenarios**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-195832**.

**S5-195832 pCR 28.805 Extend management model to include slicing scenarios**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Ericsson India Private Limited, Deutsche Telekom*

(Replaces S5-195523)

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

**S5-195524 pCR 28.805 Update CSMF functionalities figure**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Ericsson India Private Limited*

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

**S5-195528 pCR 28.805 Proposal for conclusions and recommendations**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-195839**.

**S5-195839 pCR 28.805 Proposal for conclusions and recommendations**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Ericsson India Private Limited, Deutsche Telekom*

(Replaces S5-195528)

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

**S5-195531 Presentation of TR 28.805 for approval to SA#85**

*Type: TS or TR cover For: Approval  
 28.805 v1.1.0  
 Source: Ericsson India Private Limited*

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

**S5-195532 pCR 28.805 Solution for providing CSI management capability**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-195841**.

**S5-195841 pCR 28.805 Solution for providing CSI management capability**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Ericsson India Private Limited, Deutsche Telekom*

(Replaces S5-195532)

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

**S5-195533 pCR 28.805 Replace SLA with SLS**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-195842**.

**S5-195842 pCR 28.805 Replace SLA with SLS**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Ericsson India Private Limited, Deutsche Telekom*

(Replaces S5-195533)

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

**S5-195534 pCR 28.805 Proposed solutions for Editors notes**

*Type: pCR For: Approval  
 28.805 v1.1.0  
 Source: Ericsson India Private Limited,Deutsche Telekom*

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

**S5-195547 Sequence proposal for study on management aspects of communication services**

*Type: other For: Information  
 Source: Ericsson India Private Limited*

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

**S5-195838 Draft TR 28.805**

*Type: draft TR For: Approval  
 28.805 v1.2.0  
 Source: Ericsson*

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

**S5-195863 pCR 28.805 Add mapping table of 3GPP ServiceProfile and GSMA GST**

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

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

#### 6.5.5 Study on Self-Organizing Networks (SON) for 5G

**S5-195034 Minutes of Study on Self-Organizing Networks (SON) for 5G**

*Type: report For: (not specified)  
 Source: Rapporteur (Intel)*

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

**S5-195123 pCR 28.861 Update SON concept**

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

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

**S5-195124 pCR 28.861 Add overview of potential solution for CCO**

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

**Decision:** The document was **revised to S5-195893**.

**S5-195893 pCR 28.861 Add overview of potential solution for CCO**

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

(Replaces S5-195124)

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

**S5-195125 pCR 28.861 Update potential solution for self-establishment of NFs**

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

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

**S5-195126 pCR TR 28.861 Add potential solution for ANR management**

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

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

**S5-195127 pCR TR 28.861 Add potential solution for PCI configuration**

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

**Decision:** The document was **revised to S5-195861**.

**S5-195860 pCR TR 28.861 Add potential solution for PCI configuration**

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

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

**S5-195128 pCR 28.861 Add conclusion and recommendation**

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

**Decision:** The document was **revised to S5-195894**.

**S5-195894 pCR 28.861 Add conclusion and recommendation**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Huawei,Intel,Ericsson*

(Replaces S5-195128)

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

**S5-195166 pCR 28.861 Update the use case on ANR optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel, Verizon, Cisco, ETRI*

**Decision:** The document was **revised to S5-195669**.

**S5-195669 pCR 28.861 Update the use case on ANR optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel, Verizon, Cisco, ETRI*

(Replaces S5-195166)

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

**S5-195167 pCR 28.861 Add solution for ANR optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel, Verizon, ETRI*

**Decision:** The document was **revised to S5-195671**.

**S5-195671 pCR 28.861 Add solution for ANR optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel, Verizon, ETRI*

(Replaces S5-195167)

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

**S5-195168 pCR 28.861 revise use case for PCI configuration**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-195859**.

**S5-195859 pCR 28.861 revise use case for PCI configuration**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-195168)

**Decision:** The document was **revised to S5-195937**.

**S5-195937 pCR 28.861 revise use case for PCI configuration**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-195859)

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

**S5-195169 pCR 28.861 solution for PCI configuration**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-195861 pCR 28.861 solution for PCI configuration**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd,Huawei*

(Replaces S5-195169)

**Decision:** The document was **revised to S5-195938**.

**S5-195938 pCR 28.861 solution for PCI configuration**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd,Huawei*

(Replaces S5-195861)

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

**S5-195170 pCR 28.861 revise use cases for energy saving**

*Type: pCR For: (not specified)  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-195666**.

**S5-195171 pCR 28.861 solution for energy saving**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-195172 pCR 28.861 solution for load balancing optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-195864**.

**S5-195864 pCR 28.861 solution for load balancing optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-195172)

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

**S5-195173 pCR 28.861 solution for MRO**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-195865**.

**S5-195865 pCR 28.861 solution for MRO**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-195173)

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

**S5-195174 pCR 28.861 solution for RACH optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-195866**.

**S5-195866 pCR 28.861 solution for RACH optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-195174)

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

**S5-195175 pCR 28.861 add conclusions**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-195176 pCR 28.861 clean-up**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-195383 Add Automatic CSI to NSI mapping use case**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: China Mobile E-Commerce Co.*

**Abstract:**

For operators to properly design and initiate a new slice service, CSI is able to digest the SLA profile to understand the corresponding network functionalities needed to fulfill the specific requirements, automatically decompose them into NSI to meet res

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

**S5-195436 pCR 28.861 addition of multi-domain/layer/technology orchestration automation use case and requirement**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: ETRI*

**Abstract:**

This contribution proposes a multi-domain/multi-layer/multi-technology orchestration automation use case and requirement to TR 28.861

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

**S5-195437 Potential solution for cross-slice network resource optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: KPN N.V.*

**Abstract:**

This document adds potential solutions for the cross-slice network resource optimization use case.

**Decision:** The document was **revised to S5-195889**.

**S5-195889 Potential solution for cross-slice network resource optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: KPN N.V.*

(Replaces S5-195437)

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

**S5-195438 Potential requirements for cross-slice network resource optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: KPN N.V.*

**Decision:** The document was **revised to S5-195887**.

**S5-195887 Potential requirements for cross-slice network resource optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: KPN N.V.*

(Replaces S5-195438)

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

**S5-195450 pCR 28.861 Add Use Case and Requirements for ANR Management**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Ericsson France S.A.S, Intel*

**Decision:** The document was **revised to S5-195670**.

**S5-195670 pCR 28.861 Add Use Case and Requirements for ANR Management**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Ericsson France S.A.S, Intel,Huawei*

(Replaces S5-195450)

**Decision:** The document was **revised to S5-195933**.

**S5-195933 pCR 28.861 Add Use Case and Requirements for ANR Management**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Ericsson France S.A.S, Intel,Huawei*

(Replaces S5-195670)

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

**S5-195452 pCR 28.861 Solution for ANR Management**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-195672**.

**S5-195672 pCR 28.861 Solution for ANR Management**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Ericsson France S.A.S, Huawei*

(Replaces S5-195452)

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

**S5-195454 pCR 28.861 Evaluation of ANR management**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Ericsson France S.A.S*

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

**S5-195457 pCR 28.861 Beam optimization in CCO**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-195890**.

**S5-195890 pCR 28.861 Beam optimization in CCO**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Ericsson France S.A.S*

(Replaces S5-195457)

**Decision:** The document was **revised to S5-195939**.

**S5-195939 pCR 28.861 Beam optimization in CCO**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Ericsson France S.A.S*

(Replaces S5-195890)

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

**S5-195463 Management of Core Network SON**

*Type: discussion For: Endorsement  
 Source: Ericsson France S.A.S*

**Decision:** The document was **revised to S5-195891**.

**S5-195891 Management of Core Network SON**

*Type: discussion For: Endorsement  
 Source: Ericsson France S.A.S*

(Replaces S5-195463)

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

**S5-195551 pCR 28.861 Update use case Multi-Aspect Resource Optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195896**.

**S5-195896 pCR 28.861 Update use case Multi-Aspect Resource Optimization**

*Type: pCR For: Approval  
 28.861 v0.6.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195551)

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

**S5-195552 Discussion paper on energy saving configuration related use cases**

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

**Decision:** The document was **revised to S5-195918**.

**S5-195918 Discussion paper on energy saving configuration related use cases**

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

(Replaces S5-195552)

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

**S5-195553 Discussion paper on neighbor relationship indication use case for TR 28.861**

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

**Decision:** The document was **revised to S5-195917**.

**S5-195917 Discussion paper on neighbor relationship indication use case for TR 28.861**

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

(Replaces S5-195553)

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

**S5-195554 Discussion paper on neighbor relationship black & white list configuration related use cases for TR 28.861**

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

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

**S5-195621 Discussion sequence**

*Type: other For: Information  
 Source: Intel*

**Decision:** The document was **revised to S5-195629**.

**S5-195629 Discussion sequence**

*Type: other For: Information  
 Source: Intel*

(Replaces S5-195621)

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

**S5-195825 Cover sheet TR 28.861**

*Type: TS or TR cover For: Approval  
 Source: Intel*

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

**S5-195892 Draft TR 28.861**

*Type: draft TR For: Approval  
 28.861 v0.7.0  
 Source: Intel*

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

#### 6.5.6 Study on non-file-based trace reporting

**S5-195035 Minutes of Study on non-file-based trace reporting**

*Type: report For: (not specified)  
 Source: Rapporteur(Nokia)*

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

**S5-195439 pCR 28.806 - add Use Case of collecting subscriber and equipment trace data**

*Type: pCR For: Approval  
 28.806 v0.1.0  
 Source: Nokia, Intel, AT&T*

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

**S5-195440 pCR 28.806 - Clarification of the solution interactions**

*Type: pCR For: Approval  
 28.806 v0.1.0  
 Source: Nokia, Intel, AT&T*

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

**S5-195441 pCR 28.806 - Correction of the solution deployment example**

*Type: pCR For: Approval  
 28.806 v0.1.0  
 Source: Nokia, Intel, AT&T*

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

**S5-195442 pCR 28.806 - Add new solution deployment example**

*Type: pCR For: Approval  
 28.806 v0.1.0  
 Source: Nokia, Intel, AT&T*

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

**S5-195443 pCR 28.806 - Add content of the conclusions clause**

*Type: pCR For: Approval  
 28.806 v0.1.0  
 Source: Nokia, Intel, AT&T*

**Decision:** The document was **revised to S5-195878**.

**S5-195878 pCR 28.806 - Add content of the conclusions clause**

*Type: pCR For: Approval  
 28.806 v0.1.0  
 Source: Nokia, Intel, AT&T*

(Replaces S5-195443)

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

**S5-195444 pCR 28.806 - Add content of the recommendations clause**

*Type: pCR For: Approval  
 28.806 v0.1.0  
 Source: Nokia, Intel, AT&T*

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

**S5-195445 pCR 28.806 - Editorial clean-up**

*Type: pCR For: Approval  
 28.806 v0.1.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-195879**.

**S5-195879 pCR 28.806 - Editorial clean-up**

*Type: pCR For: Approval  
 28.806 v0.1.0  
 Source: Nokia*

(Replaces S5-195445)

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

**S5-195502 DP on Non-file-based trace data encoding**

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

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

**S5-195503 pCR 28.806 - Add more choices for non-file-based trace data encoding**

*Type: pCR For: (not specified)  
 28.806 v0.1.0  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195880**.

**S5-195880 pCR 28.806 - Add more choices for non-file-based trace data encoding**

*Type: pCR For: -  
 28.806 v0.1.0  
 Source: Ericsson*

(Replaces S5-195503)

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

**S5-195555 Presentation of TR 28.806 to SA for Information and Approval**

*Type: TS or TR cover For: Approval  
 28.806 v0.1.0  
 Source: Nokia*

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

**S5-195877 Draft TR 28.806**

*Type: draft TR For: Approval  
 28.806 v0.2.0  
 Source: Nokia*

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

#### 6.5.7 Study on non-public networks management

**S5-195036 Minutes of Study on non-public networks management**

*Type: report For: (not specified)  
 Source: Rapporteur (Huawei)*

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

**S5-195078 pCR TR 28.807 NPN terminologies and abbreviations**

*Type: pCR For: Approval  
 28.807 v0.0.1  
 Source: NTT DOCOMO*

**Abstract:**

This document introduces some terminologies related to non-public network, which are already defined in TS 22.261 [1] and in TS 23.501 [2]. Having such terminologies and abbreviations would be good for having a common understanding when developing a use c

**Decision:** The document was **revised to S5-195881**.

**S5-195881 pCR TR 28.807 NPN terminologies and abbreviations**

*Type: pCR For: Approval  
 28.807 v0.0.1  
 Source: NTT DOCOMO,Huawei*

(Replaces S5-195078)

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

**S5-195079 pCR TR 28.807 UC public network integrated NPN deployment**

*Type: pCR For: Approval  
 28.807 v0.0.1  
 Source: NTT DOCOMO*

**Abstract:**

This document introduces a new use case on the public network integrated NPN deployment.

**Decision:** The document was **revised to S5-195884**.

**S5-195884 pCR TR 28.807 UC public network integrated NPN deployment**

*Type: pCR For: Approval  
 28.807 v0.0.1  
 Source: NTT DOCOMO*

(Replaces S5-195079)

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

**S5-195280 pCR 28.807 Add terms of NPN**

*Type: pCR For: Approval  
 28.807 v0.0.1  
 Source: Huawei*

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

**S5-195281 pCR 28.807 Add scope of TR**

*Type: pCR For: Approval  
 28.807 v0.0.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-195883**.

**S5-195883 pCR 28.807 Add scope of TR**

*Type: pCR For: Approval  
 28.807 v0.0.1  
 Source: Huawei*

(Replaces S5-195281)

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

**S5-195282 pCR 28.807 Add concept of NPN**

*Type: pCR For: Approval  
 28.807 v0.0.1  
 Source: Huawei*

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

**S5-195882 Draft TR 28.807**

*Type: draft TR For: Approval  
 28.807 v0.1.0  
 Source: Huawei*

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

#### 6.5.8 Study on management and orchestration aspects with integrated satellite components in a 5G network

**S5-195037 Minutes of Study on management and orchestration aspects with integrated satellite components in a 5G network**

*Type: report For: (not specified)  
 Source: Rapporteur (Thales)*

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

**S5-195401 Add use case management of a satellite enabled 3GPP network as a roaming network for terrestrial network operators**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: TNO*

**Decision:** The document was **revised to S5-195867**.

**S5-195867 Add use case management of a satellite enabled 3GPP network as a roaming network for terrestrial network operators**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: TNO*

(Replaces S5-195401)

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

**S5-195404 Add use case of management of 3GPP network with a satellite access network and a terrestrial access network**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: TNO*

**Decision:** The document was **revised to S5-195868**.

**S5-195868 Add use case of management of 3GPP network with a satellite access network and a terrestrial access network**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: TNO*

(Replaces S5-195404)

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

**S5-195458 Reference architecture for the management of satellite components**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: THALES*

**Decision:** The document was **revised to S5-195872**.

**S5-195872 Reference architecture for the management of satellite components**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: THALES*

(Replaces S5-195458)

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

**S5-195459 Use case management of Non-Geostationary regenerative satellite components**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: THALES*

**Decision:** The document was **revised to S5-195873**.

**S5-195873 Use case management of Non-Geostationary regenerative satellite components**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: THALES*

(Replaces S5-195459)

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

**S5-195460 Use case monitoring of performances of NGSO component with gnB split**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: THALES*

**Decision:** The document was **revised to S5-195874**.

**S5-195874 Use case monitoring of performances of NGSO component with gnB split**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: THALES*

(Replaces S5-195460)

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

**S5-195461 Use case monitoring of average delay on DL-Air Interface for a satellite RAT**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: THALES*

**Decision:** The document was **revised to S5-195876**.

**S5-195876 Use case monitoring of average delay on DL-Air Interface for a satellite RAT**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: THALES*

(Replaces S5-195461)

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

**S5-195462 Solution for NSI Management with satellite components**

*Type: pCR For: Approval  
 28.808 v0.1.0  
 Source: THALES*

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

**S5-195940 Draft TR 28.808**

*Type: draft TR For: Approval  
 28.808 v0.2.0  
 Source: Thales*

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

## 7 Charging

### 7.1 Charging Plenary

**S5-195038 CH Agenda and Time Plan**

*Type: agenda For: (not specified)  
 Source: CH SWG Chair*

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

**S5-195039 CH Executive Report**

*Type: report For: (not specified)  
 Source: CH SWG Chair*

**Decision:** The document was **revised to S5-195953**.

**S5-195953 CH Executive Report**

*Type: report For: -  
 Source: CH SWG Chair*

(Replaces S5-195039)

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

**S5-195051 Resubmitted LS from GSMA to SA2 and SA5 on VoWiFi – VoLTE handover**

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

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

**S5-195569 Reply to: Resubmitted LS from GSMA to SA2 and SA5 on VoWiFi – VoLTE handover**

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

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

**S5-195056 Resubmitted LS from ETSI TC LI to SA5 on 5G Cell ID(s) in the 3GPP SA5 billing system**

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

**Decision:** The document was **replied to in S5-195570**.

**S5-195570 Reply to: Resubmitted LS from ETSI TC LI to SA5 on 5G Cell ID(s) in the 3GPP SA5 billing system**

*Type: LS out For: approval  
 to ETSI TC LI  
 Source: Nokia*

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

**S5-195060 LS from SA2 to SA5 on Reporting all Cell IDs in 5G**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-1908634*

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

**S5-195069 LS from 3GPP SA3-LI cc SA5 on Reporting all Cell IDs in 5G**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S3i190461*

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

### 7.2 New Charging Work Item proposals

**S5-195074 Revised WID on Volume Based Charging Aspects for VoLTE**

*Type: WID revised For: Approval  
 Source: China Mobile*

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

**S5-195103 New WID on Charging aspects of Enhancing Topology of SMF and UPF in 5G Networks**

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

**Decision:** The document was **revised to S5-195571**.

**S5-195571 New WID on Charging aspects of Enhancing Topology of SMF and UPF in 5G Networks**

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

(Replaces S5-195103)

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

**S5-195329 New WID on offline only charging service for event based charging**

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

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

**S5-195361 New WID on Network Slice Charging in 5G System**

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

**Decision:** The document was **revised to S5-195572**.

**S5-195572 New WID on Network Slice Charging in 5G System**

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

(Replaces S5-195361)

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

**S5-195715 New WID on Network Slice Management Charging in 5G System**

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

**Decision:** The document was **revised to S5-195952**.

**S5-195952 New WID on Network Slice Management Charging in 5G System**

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

(Replaces S5-195715)

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

### 7.3 Charging Maintenance and Rel-16 small Enhancements

**S5-195067 Rel-16 CR 32.260 Correction of BGCF CDR description**

*Type: CR For: Agreement  
 32.260 v16.0.0 CR-0397 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195068 Rel-16 CR 32.298 Correction of BGCF CDR description**

*Type: CR For: Agreement  
 32.298 v16.1.0 CR-0723 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195070 Rel-15 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer**

*Type: CR For: (not specified)  
 32.291 v15.3.0 CR-0081 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-195724**.

**S5-195724 Rel-15 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer**

*Type: CR For: -  
 32.291 v15.3.0 CR-0081 rev 1 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-195070)

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

**S5-195071 Rel-16 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer**

*Type: CR For: (not specified)  
 32.291 v16.0.0 CR-0082 Cat: A (Rel-16)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-195725**.

**S5-195725 Rel-16 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer**

*Type: CR For: -  
 32.291 v16.0.0 CR-0082 rev 1 Cat: A (Rel-16)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-195071)

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

**S5-195072 Rel-15 CR 32.291 Correction of TriggerCategory and Triggers**

*Type: CR For: (not specified)  
 32.291 v15.3.0 CR-0083 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation*

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

**S5-195073 Rel-16 CR 32.291 Correction of TriggerCategory and Triggers**

*Type: CR For: (not specified)  
 32.291 v16.0.0 CR-0084 Cat: A (Rel-16)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-195728**.

**S5-195728 Rel-16 CR 32.291 Correction of TriggerCategory and Triggers**

*Type: CR For: -  
 32.291 v16.0.0 CR-0084 rev 1 Cat: A (Rel-16)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-195073)

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

**S5-195096 Rel-16 CR 32.255 Correction of Serving Node change**

*Type: CR For: (not specified)  
 32.255 v16.1.0 CR-0074 Cat: A (Rel-16)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-195730**.

**S5-195730 Rel-16 CR 32.255 Correction of Serving Node change**

*Type: CR For: -  
 32.255 v16.1.0 CR-0074 rev 1 Cat: A (Rel-16)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-195096)

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

**S5-195097 Rel-15 CR 32.255 Correction of Serving Node change**

*Type: CR For: (not specified)  
 32.255 v15.3.0 CR-0075 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-195729**.

**S5-195729 Rel-15 CR 32.255 Correction of Serving Node change**

*Type: CR For: -  
 32.255 v15.3.0 CR-0075 rev 1 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-195097)

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

**S5-195101 Rel-15 CR 32.298 Correction on NetworkFunctionality**

*Type: CR For: Agreement  
 32.298 v15.7.0 CR-0724 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195102 Rel-16 CR 32.298 Correction on NetworkFunctionality**

*Type: CR For: Agreement  
 32.298 v16.1.0 CR-0725 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195132 Rel-15 CR 32.297 Correction of reference architecture in 5G**

*Type: CR For: Agreement  
 32.297 v15.3.0 CR-0035 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195731**.

**S5-195731 Rel-15 CR 32.297 Correction of reference architecture in 5G**

*Type: CR For: Agreement  
 32.297 v15.3.0 CR-0035 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195132)

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

**S5-195133 Rel-16 CR 32.297 Correction of reference architecture in 5G**

*Type: CR For: Agreement  
 32.297 v15.3.0 CR-0036 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195753**.

**S5-195753 Rel-16 CR 32.297 Correction of reference architecture in 5G**

*Type: CR For: Agreement  
 32.297 v15.3.0 CR-0036 rev 1 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195133)

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

**S5-195200 Rel-15 CR 32.298 Correction of NetworkFunctionInformation**

*Type: CR For: Approval  
 32.298 v15.7.0 CR-0726 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195819**.

**S5-195819 Rel-15 CR 32.298 Correction of NetworkFunctionInformation**

*Type: CR For: Approval  
 32.298 v15.7.0 CR-0726 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-195200)

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

**S5-195201 Rel-16 CR 32.298 Correction of NetworkFunctionInformation**

*Type: CR For: Approval  
 32.298 v16.1.0 CR-0727 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195795**.

**S5-195795 Rel-16 CR 32.298 Correction of NetworkFunctionInformation**

*Type: CR For: Approval  
 32.298 v16.1.0 CR-0727 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195201)

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

**S5-195202 Rel-15 CR 32.291 Correction of Report Time in QFI Container Information**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0085 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195754**.

**S5-195754 Rel-15 CR 32.291 Correction of Report Time in QFI Container Information**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0085 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-195202)

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

**S5-195203 Rel-16 CR 32.291 Correction of Report Time in QFI Container Information**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0086 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195755**.

**S5-195755 Rel-16 CR 32.291 Correction of Report Time in QFI Container Information**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0086 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195203)

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

**S5-195204 Rel-15 CR 32.291 Correction of SubscriptionIdentificationType**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0087 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195756**.

**S5-195756 Rel-15 CR 32.291 Correction of SubscriptionIdentificationType**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0087 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-195204)

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

**S5-195205 Rel-16 CR 32.291 Correction of SubscriptionIdentificationType**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0088 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195757**.

**S5-195757 Rel-16 CR 32.291 Correction of SubscriptionIdentificationType**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0088 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195205)

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

**S5-195206 Rel-15 CR 32.291 Correction of nfConsumerIdentification as required**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0089 Cat: F (Rel-15)  
  
 Source: Ericsson*

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

**S5-195207 Rel-16 CR 32.291 Correction of nfConsumerIdentification as required**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0090 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-195234 Rel-16 CR 32.255 Correction of Termination action**

*Type: CR For: Approval  
 32.255 v16.1.0 CR-0076 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195758**.

**S5-195758 Rel-16 CR 32.255 Correction of Termination action**

*Type: CR For: Approval  
 32.255 v16.1.0 CR-0076 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195234)

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

**S5-195235 Rel-15 CR 32.291 Correction of multipleQuotaInformation**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0091 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195761**.

**S5-195761 Rel-15 CR 32.291 Correction of multipleQuotaInformation**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0091 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-195235)

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

**S5-195237 Rel-16 CR 32.291 Correction of multipleQuotaInformation**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0092 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195762**.

**S5-195762 Rel-16 CR 32.291 Correction of multipleQuotaInformation**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0092 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195237)

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

**S5-195238 Rel-15 CR 32.290 Correction of multipleQuotaInformation**

*Type: CR For: Approval  
 32.290 v15.4.0 CR-0056 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195759**.

**S5-195759 Rel-15 CR 32.290 Correction of Multiple Quota reference**

*Type: CR For: Approval  
 32.290 v15.4.0 CR-0056 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-195238)

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

**S5-195239 Rel-16 CR 32.290 Correction of multipleQuotaInformation**

*Type: CR For: Approval  
 32.290 v16.1.0 CR-0057 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195760**.

**S5-195760 Rel-16 CR 32.290 Correction of Multiple Quota reference**

*Type: CR For: Approval  
 32.290 v16.1.0 CR-0057 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195239)

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

**S5-195241 Rel-15 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes**

*Type: CR For: Approval  
 32.298 v15.7.0 CR-0728 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195722**.

**S5-195722 Rel-15 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes**

*Type: CR For: Approval  
 32.298 v15.7.0 CR-0728 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-195241)

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

**S5-195242 Rel-16 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes**

*Type: CR For: Approval  
 32.298 v16.1.0 CR-0729 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195723**.

**S5-195723 Rel-16 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes**

*Type: CR For: Approval  
 32.298 v16.1.0 CR-0729 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195242)

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

**S5-195243 Rel-15 CR 32.291 Correction of HTTP Status Codes**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0093 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195796**.

**S5-195796 Rel-15 CR 32.291 Correction of HTTP Status Codes**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0093 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-195243)

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

**S5-195245 Rel-16 CR 32.291 Correction of HTTP Status Codes**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0094 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195797**.

**S5-195797 Rel-16 CR 32.291 Correction of HTTP Status Codes**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0094 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195245)

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

**S5-195246 Rel-15 CR 32.291 Correction of RoamingQBCInformation in Binding of 5G data connectivity**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0095 Cat: F (Rel-15)  
  
 Source: Ericsson*

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

**S5-195247 Rel-16 CR 32.291 Correction of RoamingQBCInformation in Binding of 5G data connectivity**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0096 Cat: A (Rel-16)  
  
 Source: Ericsson*

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

**S5-195248 Rel-15 CR 32.291 Correction of version numbering**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0097 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195767**.

**S5-195767 Rel-15 CR 32.291 Correction of version numbering**

*Type: CR For: Approval  
 32.291 v15.3.0 CR-0097 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-195248)

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

**S5-195296 Rel-15 CR 32.290 Add the NF services**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0058 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195769**.

**S5-195769 Rel-15 CR 32.290 Add the NF services**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0058 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195296)

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

**S5-195297 Rel-15 CR 32.290 Add the Group ID for CHF registration**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0059 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195298 Rel-15 CR 32.290 Add the Service Context information**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0060 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195771**.

**S5-195771 Rel-15 CR 32.290 Add the Service specification Information**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0060 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195298)

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

**S5-195299 Rel-15 CR 32.290 Correction on Trigger Mechanism**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0061 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195783**.

**S5-195783 Rel-15 CR 32.290 Correction on Trigger Mechanism**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0061 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195299)

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

**S5-195300 Rel-15 CR 32.291 Correct the QoS Change Trigger**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0098 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195301 Rel-15 CR 32.298 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.298 v15.7.0 CR-0730 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195787**.

**S5-195787 Rel-15 CR 32.298 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.298 v15.7.0 CR-0730 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195301)

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

**S5-195302 Rel-15 CR 32.298 Add the access type**

*Type: CR For: Agreement  
 32.298 v15.7.0 CR-0731 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195303 Rel-15 CR 32.291 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0099 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195789**.

**S5-195789 Rel-15 CR 32.291 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0099 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195303)

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

**S5-195304 Rel-15 CR 32.291 Add access type**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0100 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195305 Rel-15 CR 32.291 Add access type change**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0101 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195306 Rel-15 CR 32.255 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.255 v15.3.0 CR-0077 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195785**.

**S5-195785 Rel-15 CR 32.255 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.255 v15.3.0 CR-0077 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195306)

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

**S5-195307 Rel-15 CR 32.255 Add the access type**

*Type: CR For: Agreement  
 32.255 v15.3.0 CR-0078 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195308 Rel-15 CR 32.255 Add the access type change trigger**

*Type: CR For: Agreement  
 32.255 v15.3.0 CR-0079 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195309 Rel-15 CR 32.290 Clarification of Retry handling**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0062 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195716**.

**S5-195716 Rel-15 CR 32.290 Clarification of Retry handling**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0062 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195309)

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

**S5-195310 Discussion Paper on retry handling mechenism**

*Type: discussion For: Discussion  
 Source: Huawei*

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

**S5-195311 Rel-15 CR 32.255 coordination of information element category**

*Type: CR For: Agreement  
 32.255 v15.3.0 CR-0080 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195791**.

**S5-195791 Rel-15 CR 32.255 coordination of information element category**

*Type: CR For: Agreement  
 32.255 v15.3.0 CR-0080 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195311)

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

**S5-195312 Rel-15 CR 32.255 correction of PDU session charging information definition**

*Type: CR For: Agreement  
 32.255 v15.3.0 CR-0081 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195313 Rel-15 CR 32.290 coordination of information element category**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0063 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195314 Rel-15 CR 32.290 correction of failure handling**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0064 Cat: F (Rel-15)  
  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-195618**.

**S5-195618 Rel-15 CR 32.290 correction of failure handling**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0064 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei, China Mobile*

(Replaces S5-195314)

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

**S5-195315 Rel-15 CR 32.290 correction of notify response**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0065 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195720**.

**S5-195720 Rel-15 CR 32.290 correction of notify response**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0065 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195315)

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

**S5-195316 Rel-15 CR 32.290 event based charging refund mechanism**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0066 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195577**.

**S5-195577 Rel-15 CR 32.290 event based charging mechanism**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0066 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195316)

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

**S5-195317 Rel-15 CR 32.291 event based charging mechanism**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0102 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195579**.

**S5-195579 Rel-15 CR 32.291 event based charging mechanism**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0102 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195317)

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

**S5-195318 Rel-15 CR 32.291 Bindings of common field correction**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0103 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195763**.

**S5-195763 Rel-15 CR 32.291 Bindings of common field correction**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0103 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195318)

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

**S5-195319 Rel-15 CR 32.291 coordination of attribute Presence condition**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0104 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195793**.

**S5-195793 Rel-15 CR 32.291 coordination of attribute Presence condition**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0104 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195319)

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

**S5-195320 Rel-15 CR 32.291 Bindings for 5G data connectivity correction**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0105 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195765**.

**S5-195765 Rel-15 CR 32.291 Bindings for 5G data connectivity correction**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0105 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195320)

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

**S5-195321 Rel-15 CR 32.291 correction of data structure of response body**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0106 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195798**.

**S5-195798 Rel-15 CR 32.291 correction of data structure of response body**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0106 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195321)

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

**S5-195322 Rel-15 CR 32.291 correction of serving Network Function identifier**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0107 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195323 Rel-15 CR 32.298 coordination of CHF CDR parameters category**

*Type: CR For: Agreement  
 32.298 v15.7.0 CR-0732 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195324 Rel-15 CR 32.298 Correct inconsistent CHF CDR parameter**

*Type: CR For: Agreement  
 32.298 v15.7.0 CR-0733 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195800**.

**S5-195800 Rel-15 CR 32.298 Correct inconsistent CHF CDR parameter**

*Type: CR For: Agreement  
 32.298 v15.7.0 CR-0733 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195324)

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

**S5-195325 Rel-15 CR 32.290 Correction on response code handling**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0067 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195718**.

**S5-195718 Rel-15 CR 32.290 Correction on response code handling**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0067 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-195325)

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

**S5-195330 Rel-16 CR 32.291 Correct datetime description in data model**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0108 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195331 Rel-15 CR 32.291 Correct datetime description in data model**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0109 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195332 Rel-16 CR 32.290 Add the NF services**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0068 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195770**.

**S5-195770 Rel-16 CR 32.290 Add the NF services**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0068 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195332)

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

**S5-195333 Rel-16 CR 32.290 Add the Group ID for CHF registration**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0069 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195334 Rel-16 CR 32.290 Add the Service Context information**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0070 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195772**.

**S5-195772 Rel-16 CR 32.290 Add the Service specification Information**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0070 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195334)

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

**S5-195335 Rel-16 CR 32.290 Correction on Trigger Mechanism**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0071 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195784**.

**S5-195784 Rel-16 CR 32.290 Correction on Trigger Mechanism**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0071 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195335)

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

**S5-195336 Rel-16 CR 32.291 Correct the QoS Change Trigger**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0110 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195337 Rel-16 CR 32.298 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.298 v16.1.0 CR-0734 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195788**.

**S5-195788 Rel-16 CR 32.298 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.298 v16.1.0 CR-0734 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195337)

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

**S5-195338 Rel-16 CR 32.298 Add the access type**

*Type: CR For: Agreement  
 32.298 v16.1.0 CR-0735 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195339 Rel-16 CR 32.291 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0111 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195790**.

**S5-195790 Rel-16 CR 32.291 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0111 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195339)

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

**S5-195340 Rel-16 CR 32.291 Add access type**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0112 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195341 Rel-16 CR 32.291 Add access type change**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0113 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195342 Rel-16 CR 32.255 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.255 v16.1.0 CR-0083 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195786**.

**S5-195786 Rel-16 CR 32.255 Add the selection model in PDU session information**

*Type: CR For: Agreement  
 32.255 v16.1.0 CR-0083 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195342)

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

**S5-195343 Rel-16 CR 32.255 Add the access type**

*Type: CR For: Agreement  
 32.255 v16.1.0 CR-0084 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195344 Rel-16 CR 32.255 Add the access type change trigger**

*Type: CR For: Agreement  
 32.255 v16.1.0 CR-0085 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195345 Rel-16 CR 32.290 Clarification of Retry handling**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0072 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195717**.

**S5-195717 Rel-16 CR 32.290 Clarification of Retry handling**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0072 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195345)

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

**S5-195346 Rel-16 CR 32.255 coordination of information element category**

*Type: CR For: Agreement  
 32.255 v16.1.0 CR-0086 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195792**.

**S5-195792 Rel-16 CR 32.255 coordination of information element category**

*Type: CR For: Agreement  
 32.255 v16.1.0 CR-0086 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195346)

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

**S5-195347 Rel-16 CR 32.255 correction of PDU session charging information definition**

*Type: CR For: Agreement  
 32.255 v16.1.0 CR-0087 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195348 Rel-16 CR 32.290 coordination of information element category**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0073 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195349 Rel-16 CR 32.290 correction of failure handling**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0074 Cat: A (Rel-16)  
  
 Source: Huawei,China Mobile*

**Decision:** The document was **revised to S5-195712**.

**S5-195712 Rel-16 CR 32.290 correction of failure handling**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0074 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei,China Mobile*

(Replaces S5-195349)

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

**S5-195350 Rel-16 CR 32.290 correction of notify response**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0075 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195721**.

**S5-195721 Rel-16 CR 32.290 correction of notify response**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0075 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195350)

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

**S5-195351 Rel-16 CR 32.290 event based charging refund mechanism**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0076 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195578**.

**S5-195578 Rel-16 CR 32.290 event based charging mechanism**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0076 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195351)

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

**S5-195352 Rel-16 CR 32.291 event based charging refund mechanism**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0114 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195580**.

**S5-195580 Rel-16 CR 32.291 event based charging mechanism**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0114 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195352)

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

**S5-195353 Rel-16 CR 32.291 Bindings of common field correction**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0115 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195764**.

**S5-195764 Rel-16 CR 32.291 Bindings of common field correction**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0115 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195353)

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

**S5-195354 Rel-16 CR 32.291 coordination of attribute Presence condition**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0116 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195794**.

**S5-195794 Rel-16 CR 32.291 coordination of attribute Presence condition**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0116 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195354)

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

**S5-195355 Rel-16 CR 32.291 Bindings for 5G data connectivity correction**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0117 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195766**.

**S5-195766 Rel-16 CR 32.291 Bindings for 5G data connectivity correction**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0117 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195355)

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

**S5-195356 Rel-16 CR 32.291 correction of data structure of response body**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0118 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195799**.

**S5-195799 Rel-16 CR 32.291 correction of data structure of response body**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0118 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195356)

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

**S5-195357 Rel-16 CR 32.291 correction of serving Network Function identifier**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0119 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195358 Rel-16 CR 32.298 coordination of CHF CDR parameters category**

*Type: CR For: Agreement  
 32.298 v16.1.0 CR-0736 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-195359 Rel-16 CR 32.298 Correct inconsistent CHF CDR parameter**

*Type: CR For: Agreement  
 32.298 v16.1.0 CR-0737 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195801**.

**S5-195801 Rel-16 CR 32.298 Correct inconsistent CHF CDR parameter**

*Type: CR For: Agreement  
 32.298 v16.1.0 CR-0737 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195359)

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

**S5-195360 Rel-16 CR 32.290 Correction on response code handling**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0077 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195719**.

**S5-195719 Rel-16 CR 32.290 Correction on response code handling**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0077 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195360)

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

**S5-195366 Rel-15 CR 32.255 Add the Failure handling support**

*Type: CR For: Agreement  
 32.255 v15.3.0 CR-0088 Cat: F (Rel-15)  
  
 Source: Huawei, China Mobile*

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

**S5-195367 Rel-15 CR 32.290 Add the Failure handling support**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0078 Cat: F (Rel-15)  
  
 Source: Huawei, China Mobile*

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

**S5-195368 Rel-15 CR 32.291 Add the Failure handling support**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0120 Cat: F (Rel-15)  
  
 Source: Huawei, China Mobile*

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

**S5-195369 Rel-15 CR 32.298 Add the Failure handling support**

*Type: CR For: Agreement  
 32.298 v15.7.0 CR-0738 Cat: F (Rel-15)  
  
 Source: Huawei, China Mobile*

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

**S5-195370 Rel-16 CR 32.255 Add the Failure handling support**

*Type: CR For: Agreement  
 32.255 v16.1.0 CR-0089 Cat: A (Rel-16)  
  
 Source: Huawei, China Mobile*

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

**S5-195371 Rel-16 CR 32.290 Add the Failure handling support**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0079 Cat: A (Rel-16)  
  
 Source: Huawei, China Mobile*

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

**S5-195372 Rel-16 CR 32.291 Add the Failure handling support**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0121 Cat: A (Rel-16)  
  
 Source: Huawei, China Mobile*

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

**S5-195373 Rel-16 CR 32.298 Add the Failure handling support**

*Type: CR For: Agreement  
 32.298 v16.1.0 CR-0739 Cat: A (Rel-16)  
  
 Source: Huawei, China Mobile*

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

**S5-195464 Rel-16 CR 32.255 Correction of AF Charging Identifier naming**

*Type: CR For: Approval  
 32.255 v16.1.0 CR-0090 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195802**.

**S5-195802 Rel-16 CR 32.255 Correction of AF Charging Identifier naming**

*Type: CR For: Approval  
 32.255 v16.1.0 CR-0090 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195464)

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

**S5-195465 Rel-16 CR 32.291 Correction of AF Charging Identifier naming**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0122 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195815**.

**S5-195815 Rel-16 CR 32.291 Correction of AF Charging Identifier naming**

*Type: CR For: Approval  
 32.291 v16.0.0 CR-0122 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195465)

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

**S5-195467 Rel-16 CR 32.298 Correction of AF Charging Identifier naming**

*Type: CR For: Approval  
 32.298 v16.1.0 CR-0740 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195816**.

**S5-195816 Rel-16 CR 32.298 Correction of AF Charging Identifier naming**

*Type: CR For: Approval  
 32.298 v16.1.0 CR-0740 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195467)

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

**S5-195593 Rel-15 CR 32.290 Introduce event offline scenario**

*Type: CR For: Agreement  
 32.290 v15.4.0 CR-0080 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195726 Rel-15 CR 32.291 Correction on OpenAPI version**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0125 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195727 Rel-16 CR 32.291 Correction on OpenAPI version**

*Type: CR For: Agreement  
 32.291 v16.2.0 CR-0126 Cat: B (Rel-16)  
  
 Source: Huawei*

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

**S5-195768 Rel-16 CR 32.291 Correction of version numbering**

*Type: CR For: Agreement  
 32.291 v16.0.0 CR-0127 Cat: A (Rel-16)  
  
 Source: Ericsson*

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

**S5-195817 Rel-15 CR 32.291 Corrections on OpenAPI**

*Type: CR For: Agreement  
 32.291 v15.3.0 CR-0123 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-195818 Rel-16 CR 32.291 Corrections on OpenAPI**

*Type: CR For: Agreement  
 32.291 v16.2.0 CR-0124 Cat: - (Rel-16)  
  
 Source: Huawei*

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

**S5-195826 (reserved)**

*Type: other For: discussion  
 Source: Charging SWG*

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

**S5-195827 (reserved)**

*Type: other For: discussion  
 Source: Charging SWG*

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

**S5-195828 (reserved)**

*Type: other For: discussion  
 Source: Charging SWG*

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

**S5-195829 (reserved)**

*Type: other For: discussion  
 Source: Charging SWG*

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

### 7.4 Rel-16 Charging

#### 7.4.1 Volume Based Charging Aspects for VoLTE

#### 7.4.2 Nchf Online and Offline Charging Services

#### 7.4.3 Charging Enhancement of 5GC interworking with EPC

**S5-195328 Rel-16 CR 32.255 Clarification on RAT Type change**

*Type: CR For: Agreement  
 32.255 v16.1.0 CR-0082 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195573**.

**S5-195573 Rel-16 CR 32.255 Clarification on RAT Type change**

*Type: CR For: Agreement  
 32.255 v16.1.0 CR-0082 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195328)

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

#### 7.4.4 Network Exposure Charging in 5G System Architecture

**S5-195249 Rel-16 CR 32.254 Update of NEF API Charging Information**

*Type: CR For: Approval  
 32.254 v16.1.0 CR-0009 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195574**.

**S5-195574 Rel-16 CR 32.254 Update of NEF API Charging Information**

*Type: CR For: Approval  
 32.254 v16.1.0 CR-0009 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195249)

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

**S5-195251 Rel-16 CR 32.254 Addition of detailed message format for converged charging**

*Type: CR For: Approval  
 32.254 v16.1.0 CR-0010 Cat: B (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195575**.

**S5-195575 Rel-16 CR 32.254 Addition of detailed message format for converged charging**

*Type: CR For: Approval  
 32.254 v16.1.0 CR-0010 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195251)

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

#### 7.4.5 Charging AMF in 5G System Architecture Phase 1

**S5-195063 Rel-16 CR 32.290 Introduce event offline scenario**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0053 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195576**.

**S5-195576 Rel-16 CR 32.290 Introduce event offline scenario**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0053 rev 1 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195063)

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

**S5-195065 Rel-16 CR 32.290 Introduction of a new operation for event offline charging**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0054 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195066 Rel-16 CR 32.297 Introduce AMF and Rel-16**

*Type: CR For: Agreement  
 32.297 v15.3.0 CR-0034 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195581**.

**S5-195581 Rel-16 CR 32.297 Introduce AMF and Rel-16**

*Type: CR For: Agreement  
 32.297 v15.3.0 CR-0034 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195066)

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

**S5-195131 Rel-16 CR 32.290 Introduce AMF as a new NF consumer**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0055 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195592**.

**S5-195592 Rel-16 CR 32.290 Introduce AMF as a new NF consumer**

*Type: CR For: Agreement  
 32.290 v16.1.0 CR-0055 rev 1 Cat: B (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195131)

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

**S5-195134 Rel-16 pCR 32.256 Introduction of CHF Address from PCF**

*Type: pCR For: Approval  
 32.256 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195135 Rel-16 pCR 32.256 Introduction of Location reporting charging**

*Type: pCR For: Approval  
 32.256 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195583**.

**S5-195583 Rel-16 pCR 32.256 Introduction of Location reporting charging**

*Type: pCR For: Approval  
 32.256 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195135)

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

**S5-195136 Rel-16 pCR 32.256 Add non-3GPP to N2 connections flows**

*Type: pCR For: Approval  
 32.256 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195137 Rel-16 pCR 32.256 Introduction of Registration ECUR and confirm IEC**

*Type: pCR For: Approval  
 32.256 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195138 Rel-16 pCR 32.256 AMF Charging profile and Charging Characteristics**

*Type: pCR For: Approval  
 32.256 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195584**.

**S5-195584 Rel-16 pCR 32.256 AMF Charging profile and Charging Characteristics**

*Type: pCR For: Approval  
 32.256 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195138)

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

**S5-195139 Rel-16 pCR 32.256 Introduction of Presence Reporting Area (PRA)**

*Type: pCR For: Approval  
 32.256 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195585**.

**S5-195585 Rel-16 pCR 32.256 Introduction of Presence Reporting Area (PRA)**

*Type: pCR For: Approval  
 32.256 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195139)

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

**S5-195140 Rel-16 pCR 32.256 Additional Applicable Triggers in the AMF**

*Type: pCR For: Approval  
 32.256 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195141 Rel-16 pCR 32.256 Introduction of Location reporting charging information**

*Type: pCR For: Approval  
 32.256 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195582 LS to SA2 Introduction of CHF Address from PCF**

*Type: LS out For: Approval  
 to SA2  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195586 Revised WID Charging AMF in 5G System Architecture Phase 1**

*Type: WID revised For: Agreement  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195820 Draft TS 32.256**

*Type: draft TS For: Approval  
 32.256 v0.4.0  
 Source: Nokia*

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

**S5-195822 TS cover sheet for information TS 32.256**

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

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

#### 7.4.6 IMS Charging in 5G System Architecture

**S5-195253 Rel-16 CR 32.275 Addition of converged charging architecture**

*Type: CR For: Approval  
 32.275 v15.0.0 CR-0068 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-194200)

**Decision:** The document was **revised to S5-195587**.

**S5-195587 Rel-16 CR 32.275 Addition of converged charging architecture**

*Type: CR For: Approval  
 32.275 v15.0.0 CR-0068 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195253)

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

**S5-195254 Rel-16 CR 32.275 Addition of converged charging scenarios**

*Type: CR For: Approval  
 32.275 v15.0.0 CR-0069 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-194201)

**Decision:** The document was **revised to S5-195588**.

**S5-195588 Rel-16 CR 32.275 Addition of converged charging scenarios**

*Type: CR For: Approval  
 32.275 v15.0.0 CR-0069 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195254)

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

**S5-195255 Rel-16 CR 32.275 Addition of applicable Triggers for converged charging**

*Type: CR For: Approval  
 32.275 v15.0.0 CR-0070 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-194202)

**Decision:** The document was **revised to S5-195589**.

**S5-195589 Rel-16 CR 32.275 Addition of applicable Triggers for converged charging**

*Type: CR For: Approval  
 32.275 v15.0.0 CR-0070 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195255)

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

**S5-195256 Rel-16 CR 32.275 Addition of converged charging message flows**

*Type: CR For: Approval  
 32.275 v15.0.0 CR-0071 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-194203)

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

**S5-195257 Rel-16 CR 32.275 Addition of converged charging CDR handling**

*Type: CR For: Approval  
 32.275 v15.0.0 CR-0072 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-194204)

**Decision:** The document was **revised to S5-195590**.

**S5-195590 Rel-16 CR 32.275 Addition of converged charging CDR handling**

*Type: CR For: Approval  
 32.275 v15.0.0 CR-0072 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195257)

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

**S5-195258 Rel-16 CR 32.281 Addition of converged charging architecture**

*Type: CR For: Approval  
 32.281 v15.0.0 CR-0003 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-194205)

**Decision:** The document was **revised to S5-195591**.

**S5-195591 Rel-16 CR 32.281 Addition of converged charging architecture**

*Type: CR For: Approval  
 32.281 v15.0.0 CR-0003 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195258)

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

**S5-195259 Rel-16 CR 32.281 Addition of converged charging basic principles**

*Type: CR For: Approval  
 32.281 v15.0.0 CR-0004 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-194206)

**Decision:** The document was **revised to S5-195594**.

**S5-195594 Rel-16 CR 32.281 Addition of converged charging basic principles**

*Type: CR For: Approval  
 32.281 v15.0.0 CR-0004 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195259)

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

**S5-195260 Rel-16 CR 32.281 Addition of converged charging flows**

*Type: CR For: Approval  
 32.281 v15.0.0 CR-0005 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-194207)

**Decision:** The document was **revised to S5-195595**.

**S5-195595 Rel-16 CR 32.281 Addition of converged charging flows**

*Type: CR For: Approval  
 32.281 v15.0.0 CR-0005 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195260)

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

**S5-195261 Rel-16 CR 32.281 Addition of converged charging information principles**

*Type: CR For: Approval  
 32.281 v15.0.0 CR-0006 rev 1 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-194208)

**Decision:** The document was **revised to S5-195596**.

**S5-195596 Rel-16 CR 32.281 Addition of converged charging information principles**

*Type: CR For: Approval  
 32.281 v15.0.0 CR-0006 rev 2 Cat: B (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-195261)

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

**S5-195326 Rel-16 CR 32.260 IMS converged charging architecture introducation.**

*Type: CR For: Agreement  
 32.260 v16.0.0 CR-0398 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-195597**.

**S5-195597 Rel-16 CR 32.260 IMS converged charging architecture introducation.**

*Type: CR For: Agreement  
 32.260 v16.0.0 CR-0398 rev 1 Cat: B (Rel-16)  
  
 Source: Huawei*

(Replaces S5-195326)

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

**S5-195327 Rel-16 CR 32.260 System Architecture to support SBA in IMS introduction**

*Type: CR For: Agreement  
 32.260 v16.0.0 CR-0399 Cat: B (Rel-16)  
  
 Source: Huawei*

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

### 7.5 Charging Studies

#### 7.5.1 Study on Charging Aspects of Network Slicing

**S5-195142 Rel-16 pCR 32.845 Solve Editor's note on Business Roles**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195598**.

**S5-195598 Rel-16 pCR 32.845 Solve Editor's note on Business Roles**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195142)

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

**S5-195143 Rel-16 pCR 32.845 Use of MnS for performance data and architecture implications**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195599**.

**S5-195599 Rel-16 pCR 32.845 Use of MnS for performance data and architecture implications**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195143)

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

**S5-195144 Rel-16 pCR 32.845 Use of MnS by NWDAF for performance data**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195600**.

**S5-195600 Rel-16 pCR 32.845 Use of MnS by NWDAF for performance data**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195144)

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

**S5-195145 Rel-16 pCR 32.845 Use of NWDAF for Load - evaluation**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195601**.

**S5-195601 Rel-16 pCR 32.845 Use of NWDAF for Load - evaluation**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195145)

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

**S5-195146 Rel-16 pCR 32.845 Introduce flows for NSI Operations**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195604**.

**S5-195604 Rel-16 pCR 32.845 Introduce flows for NSI Operations**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195146)

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

**S5-195147 Rel-16 pCR 32.845 Solutions evaluation for Key issue #1.1**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195602**.

**S5-195602 Rel-16 pCR 32.845 Solutions evaluation for Key issue #1.1**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195147)

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

**S5-195148 Rel-16 pCR 32.845 New topic 2 use cases - shared and private NSI**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195605**.

**S5-195605 Rel-16 pCR 32.845 New topic 2 use cases - shared and private NSI**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195148)

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

**S5-195149 Rel-16 pCR 32.845 Solution #2.1 - evaluation**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195606**.

**S5-195606 Rel-16 pCR 32.845 Solution #2.1 - evaluation**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195149)

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

**S5-195150 Rel-16 pCR 32.845 New Solution for Key issue #2.1**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195607**.

**S5-195607 Rel-16 pCR 32.845 New Solution for Key issue #2.1**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195150)

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

**S5-195151 Rel-16 pCR 32.845 Solutions for Key issue #2.2**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-195152 Rel-16 pCR 32.845 Solutions evaluation for topic 2**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195714**.

**S5-195714 Rel-16 pCR 32.845 Solutions evaluation and conclusion for topic 2**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195152)

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

**S5-195362 Rel-16 pCR TR 32.845 Add the solution evaluation for performance based charging**

*Type: pCR For: Agreement  
 32.845 v0.5.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-195713**.

**S5-195713 Rel-16 pCR TR 32.845 Add the solution evaluation and conclusion for performance based charging**

*Type: pCR For: Agreement  
 32.845 v0.5.0  
 Source: Huawei*

(Replaces S5-195362)

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

**S5-195363 Rel-16 pCR TR 32.845 New topic about Business to Business to X**

*Type: pCR For: Agreement  
 32.845 v0.5.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-195615**.

**S5-195615 Rel-16 pCR TR 32.845 New topic about Business to Business to X**

*Type: pCR For: Agreement  
 32.845 v0.5.0  
 Source: Huawei*

(Replaces S5-195363)

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

**S5-195364 Rel-16 pCR TR 32.845 Add the use case 2.1 for topic 2**

*Type: pCR For: Agreement  
 32.845 v0.5.0  
 Source: Huawei*

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

**S5-195365 Rel-16 pCR TR 32.845 Conclusion on event based charging**

*Type: pCR For: Agreement  
 32.845 v0.5.0  
 Source: Huawei*

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

**S5-195603 Rel-16 pCR TR 32.845 Conclusion on event based charging**

*Type: pCR For: Agreement  
 32.845 v0.5.0  
 Source: Huawei*

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

**S5-195453 Rel-16 pCR 32.845 Update to Use Case 1.4 to address non-performance related attributes**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Openet Telecom*

**Abstract:**

This pCR is to add text to use case #1.4 such that it is not limited to performance based attributes for Network Slice Instances.

**Decision:** The document was **revised to S5-195611**.

**S5-195611 Rel-16 pCR 32.845 Update to Use Case 1.4 to address non-performance related attributes**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Openet Telecom*

(Replaces S5-195453)

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

**S5-195455 Rel-16 pCR 32.845 Add new potential charging requirements for Topic 1**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Openet Telecom*

**Abstract:**

Add two new requirements to Topic 1 based on using different network slice templates to create instances of Network Slice IOC.

**Decision:** The document was **revised to S5-195612**.

**S5-195612 Rel-16 pCR 32.845 Add new potential charging requirements for Topic 1**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Openet Telecom*

(Replaces S5-195455)

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

**S5-195456 Rel-16 pCR 32.845 Add new potential charging requirement for Topic 2**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Openet Telecom*

**Abstract:**

Add a new potential charging requirement to Topic 2 related to network slice templates corresponding to creating instances of Network Slice IOC.

**Decision:** The document was **revised to S5-195610**.

**S5-195610 Rel-16 pCR 32.845 Add new potential charging requirement for Topic 2**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Openet Telecom*

(Replaces S5-195456)

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

**S5-195466 Rel-16 pCR 32.845 New key issue for Topic 1 - Template Based Charging**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Openet Telecom*

**Abstract:**

This pCR proposes the introduction of a new key issue for Topic 1 to investigate how Network Slice Instance templates can be supported with respect to doing subscription based charging for CSPs (use case #1.4).

**Decision:** The document was **revised to S5-195613**.

**S5-195613 Rel-16 pCR 32.845 New key issue for Topic 1 - Template Based Charging**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Openet Telecom*

(Replaces S5-195466)

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

**S5-195468 Rel-16 pCR 32.845 Updates to address Template Based Charging**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Openet Telecom*

**Abstract:**

This pCR proposes updates to address the use of Network Slice Instance Template based charging in Topic 1 and Topic 2.

**Decision:** The document was **revised to S5-195614**.

**S5-195614 Rel-16 pCR 32.845 Updates to address Template Based Charging**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Openet Telecom*

(Replaces S5-195468)

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

**S5-195484 Rel-16 pCR 32.845 Solution for Communication Service using Network Slice**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Ericsson*

**Decision:** The document was **revised to S5-195608**.

**S5-195608 Rel-16 pCR 32.845 Solution for Communication Service using Network Slice**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Ericsson*

(Replaces S5-195484)

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

**S5-195501 Rel-16 pCR 32.845 New topic 2 use case NSaaS**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-195609**.

**S5-195609 Rel-16 pCR 32.845 New topic 2 use case NSaaS**

*Type: pCR For: Approval  
 32.845 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-195501)

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

**S5-195616 Topic 1 - conclusion**

*Type: discussion For: discussion  
 Source: Huawei*

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

**S5-195617 Topic 2 - conclusion**

*Type: discussion For: discussion  
 Source: Huawei*

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

**S5-195821 Draft TR 32.845**

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

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

**S5-195823 TR cover sheet for information TR 32.845**

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

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

**S5-195824 Revised SID on Charging Aspects of Network Slicing - update**

*Type: SID revised For: discussion  
 Source: Huawei*

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

## 8 Any Other Business

This was the meeting where elections needed to take place in order to select a new SA5 leadership.

- Thomas Tovinger (Ericsson) was the only candidate for Chairmanship, hence he was re-elected as SA5 Chair by acclamation.

- Zou Lan (Huawei) and Maryse Gardella (Nokia) were the only candidates for SA5 Vice Chairs, hence they were elected to replace Jean-Michel Cornily (Orange) and Christian Toche (Huawei) by acclamation.

Maryse and Zou Lan had some words to thank their attendees for their trust.

This was the last meeting of Christian Toche. He was thanked for his hard work during so many years in SA5 leadership and awarded with a signed card and good pack of Belgian beers. Jean Michel Cornily was also thanked with beer and chocolates after his presence and hard work in the SA5 leadership.

It was pointed out that there was a signficant large number of contributuons for this meeting.

It was proposed to have parallel sessions for those items where there was a limited interest (e.g. conditionally agreed CRs and their stage 3 counterparts). It was finally agreed to have several parallel sessions during the week.

## 9 Closing of the meeting

Thomas Tovinger (SA5 Chair) thanked the attendees and MCC for the hard work. After this the meeting was closed.

## Annex A: List of contribution documents

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| * S5-195000 | * Agenda | * WG Chairman | * approved |  |  |
| * S5-195001 | * IPR and legal declaration | * WG Chairman | * noted |  |  |
| * S5-195002 | * Report from SA5#125 | * MCC | * approved |  |  |
| * S5-195003 | * Leaders meeting agenda | * WG Chairman | * noted |  |  |
| * S5-195004 | * Leaders meeting minutes | * WG Chairman | * noted |  |  |
| * S5-195005 | * SA5 Working Procedures | * WG Vice Chair (Huawei) | * noted |  |  |
| * S5-195006 | * SA5 Meeting Facility Requirements | * WG Vice Chair (Orange) | * noted |  |  |
| * S5-195007 | * Process for management of draft TSs/TRs | * WG Chairman | * noted |  |  |
| * S5-195008 | * CR Quality Check | * MCC | * noted |  |  |
| * S5-195009 | * Status of email approvals | * WG Vice Chair (Orange) | * reserved |  |  |
| * S5-195010 | * SA5 Meeting Calendar | * WG Chairman | * noted |  |  |
| * S5-195011 | * 3GPP SA5 Work Plan | * MCC | * noted |  |  |
| * S5-195012 | * Time Plan for OAM&P | * WG Vice Chair (Huawei) | * revised |  | * S5-195619 |
| * S5-195013 | * OAM Executive Report | * WG Vice Chair (ORANGE) | * noted |  |  |
| * S5-195014 | * OAM&P SWG action list | * WG Vice Chair (Huawei) | * revised |  | * S5-195862 |
| * S5-195015 | * SA5 status report at last SA meeting | * WG Chairman | * noted |  |  |
| * S5-195016 | * SA5 results at last SA meeting | * WG Chairman | * noted |  |  |
| * S5-195017 | * Minutes of OAM&P SWG opening session | * WG Vice Chair (Huawei) | * noted |  |  |
| * S5-195018 | * Minutes of New Work Item proposals - OAM&P | * WG Chair | * noted |  |  |
| * S5-195019 | * Minutes of OAM&P Maintenance and Rel-16 small Enhancements | * MCC | * noted |  |  |
| * S5-195020 | * Minutes of Management of QoE measurement collection | * Rapporteur (Ericsson) | * noted |  |  |
| * S5-195021 | * Minutes of Energy effciency of 5G | * Rapporteur (ORANGE) | * noted |  |  |
| * S5-195022 | * Minutes of Network policy management for mobile networks based on NFV scenarios | * Rapporteur (China Mobile) | * noted |  |  |
| * S5-195023 | * Minutes of Methodology for 5G management specifications | * Rapporteur (Ericsson) | * noted |  |  |
| * S5-195024 | * Minutes of Intent driven management service for mobile networks | * Rapporteur (Huawei) | * noted |  |  |
| * S5-195025 | * Minutes of Enhancement of performance assurance for 5G networks including network slicing | * Rapporteur (Intel) | * noted |  |  |
| * S5-195026 | * Minutes of Discovery of management services in 5G | * Rapporteur (Huawei) | * noted |  |  |
| * S5-195027 | * Minutes of NRM enhancements | * Rapporteur (Nokia) | * revised |  | * S5-195895 |
| * S5-195028 | * Minutes of Trace Management in the context of Services Based Management Architecture | * Rapporteur (Nokia) | * withdrawn |  |  |
| * S5-195029 | * Minutes of Integration of ONAP and 3GPP 5G management framework | * Rapporteur (AT&T)) | * noted |  |  |
| * S5-195030 | * Minutes of Study on protocol enhancement for real time communication | * Rapporteur(Nokia) | * withdrawn |  |  |
| * S5-195031 | * Minutes of Study on management aspects of edge computing | * Rapporteur (Intel) | * noted |  |  |
| * S5-195032 | * Minutes of Study on tenancy concept in 5G networks and network slicing management | * Rapporteur (Huawei) | * noted |  |  |
| * S5-195033 | * Minutes of Study on management aspects of communication services | * Rapporteur (Ericsson) | * noted |  |  |
| * S5-195034 | * Minutes of Study on Self-Organizing Networks (SON) for 5G | * Rapporteur (Intel) | * noted |  |  |
| * S5-195035 | * Minutes of Study on non-file-based trace reporting | * Rapporteur(Nokia) | * noted |  |  |
| * S5-195036 | * Minutes of Study on non-public networks management | * Rapporteur (Huawei) | * noted |  |  |
| * S5-195037 | * Minutes of Study on management and orchestration aspects with integrated satellite components in a 5G network | * Rapporteur (Thales) | * noted |  |  |
| * S5-195038 | * CH Agenda and Time Plan | * CH SWG Chair | * approved |  |  |
| * S5-195039 | * CH Executive Report | * CH SWG Chair | * revised |  | * S5-195953 |
| * S5-195040 | * Resubmitted LS from RAN1 to SA5 on LS on completion of CLI-RIM in RAN1 | * R1-1903676 | * noted |  |  |
| * S5-195041 | * Resubmitted LS from RAN2 to SA2 and SA5 on IAB impact to CN | * R2-1905475 | * noted |  |  |
| * S5-195042 | * Resubmitted Reply LS from RAN2 to SA5 on the user plane latency measurement | * R2-1908144 | * postponed |  |  |
| * S5-195043 | * Resubmitted Reply LS from RAN3 to SA5 on L1 and L2 measurements | * R3-192122 | * replied to |  |  |
| * S5-195044 | * Resubmitted Reply LS from RAN3 to SA5 on PDCP end user throughput measurements | * R3-192124 | * noted |  |  |
| * S5-195045 | * Resubmitted Reply LS from RAN3 ccSA5 on 5G\_URLLC | * R3-192179 | * noted |  |  |
| * S5-195046 | * Resubmitted LS from RAN3 to SA5 on OAM requirements for RIM | * R3-193245 | * replied to |  |  |
| * S5-195047 | * Resubmitted LS from SA2 ccSA5 on QoS Monitoring | * S2-1904761 | * noted |  |  |
| * S5-195048 | * Resubmitted Reply LS from RAN3 ccSA5 on QoS Monitoring | * R3-193282 | * noted |  |  |
| * S5-195049 | * Resubmitted LS reply from SA2 to SA5 on the slicing terminology and the role of S-NSSAI parameter | * S2-1902847 | * noted |  |  |
| * S5-195050 | * Resubmitted LS from SA2 to SA5 on User Data Congestion Analytics | * S2-1906797 | * replied to |  |  |
| * S5-195051 | * Resubmitted LS from GSMA to SA2 and SA5 on VoWiFi – VoLTE handover | * GSMA | * postponed |  |  |
| * S5-195052 | * Resubmitted LS from ITU-T to SA5 on cooperation on methodology harmonization and REST-based network management framework (reply to 3GPPTSGSA5-S5-185553 and 3GPP TSG SA5 - S5-187340) | * ITU-T SG2 | * postponed |  |  |
| * S5-195053 | * Resubmitted LS from ITU-T to SA5 on Energy Efficiency on 5G (reply to 3GPP TSG SA5-S5-191344) | * ITU-T SG5 | * replied to |  |  |
| * S5-195054 | * Resubmitted LS from ITU-T to SA5 on new Recommendation Q.5020 (formerly Q.NS-LCMP): Protocol requirements and procedures for network slice lifecycle management | * ITU-T SG11 | * noted |  |  |
| * S5-195055 | * Resubmitted Ls from GSMA to SA5 on NG116 Publication and GST Co-operation with 3GPP SA5 | * GSMA NEST | * replied to |  |  |
| * S5-195056 | * Resubmitted LS from ETSI TC LI to SA5 on 5G Cell ID(s) in the 3GPP SA5 billing system | * ETSI TC LI | * replied to |  |  |
| * S5-195057 | * LS from BBF to SA5 on Femto Access Point Data Model Issue 2 (FAP:2) Updates | * BBF | * noted |  |  |
| * S5-195058 | * LS from NGMN to SA5 on NGMN 5G End-to-End Architecture Framework | * NGMN | * noted |  |  |
| * S5-195059 | * LS from SA2 to SA5 on PCF and NEF discovery for Edge Computing | * S2-1904837 | * noted |  |  |
| * S5-195060 | * LS from SA2 to SA5 on Reporting all Cell IDs in 5G | * S2-1908634 | * noted |  |  |
| * S5-195061 | * LS from ITU-T to SA5 on approval of ITU-T Recommendation Y.3172 “Architectural framework for machine learning in future networks including IMT-2020” | * ITU-T | * noted |  |  |
| * S5-195062 | * LS from ITU-T to SA5 on LS/r on ITU-T Q.5020 completion (reply to ETSI NFV ISG-NFV(10)000095R1) | * ITU-T SG11 | * noted |  |  |
| * S5-195063 | * Rel-16 CR 32.290 Introduce event offline scenario | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195576 |
| * S5-195064 | * Report from SA5#125AdHoc | * MCC | * approved |  |  |
| * S5-195065 | * Rel-16 CR 32.290 Introduction of a new operation for event offline charging | * Nokia, Nokia Shanghai Bell | * not pursued |  |  |
| * S5-195066 | * Rel-16 CR 32.297 Introduce AMF and Rel-16 | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195581 |
| * S5-195067 | * Rel-16 CR 32.260 Correction of BGCF CDR description | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-195068 | * Rel-16 CR 32.298 Correction of BGCF CDR description | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-195069 | * LS from 3GPP SA3-LI cc SA5 on Reporting all Cell IDs in 5G | * S3i190461 | * noted |  |  |
| * S5-195070 | * Rel-15 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer | * China Mobile Com. Corporation | * revised |  | * S5-195724 |
| * S5-195071 | * Rel-16 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer | * China Mobile Com. Corporation | * revised |  | * S5-195725 |
| * S5-195072 | * Rel-15 CR 32.291 Correction of TriggerCategory and Triggers | * China Mobile Com. Corporation | * agreed |  |  |
| * S5-195073 | * Rel-16 CR 32.291 Correction of TriggerCategory and Triggers | * China Mobile Com. Corporation | * revised |  | * S5-195728 |
| * S5-195074 | * Revised WID on Volume Based Charging Aspects for VoLTE | * China Mobile | * noted |  |  |
| * S5-195075 | * New WID on management aspects of edge computing | * Intel Corporation (UK) Ltd | * revised |  | * S5-195638 |
| * S5-195076 | * New WID on Self-Organizing Networks (SON) for 5G networks | * Intel Corporation (UK) Ltd | * revised |  | * S5-195632 |
| * S5-195077 | * Rel-16 CR 28.531 Add informative annex to describe a network slice journey | * Orange, Nokia, Huawei | * revised |  | * S5-195644 |
| * S5-195078 | * pCR TR 28.807 NPN terminologies and abbreviations | * NTT DOCOMO | * revised |  | * S5-195881 |
| * S5-195079 | * pCR TR 28.807 UC public network integrated NPN deployment | * NTT DOCOMO | * revised |  | * S5-195884 |
| * S5-195080 | * Mapping between GST attributes and ServiceProfile IOC attributes | * Orange, Nokia, Huawei | * revised |  | * S5-195625 |
| * S5-195081 | * Discussion paper on Heartbeat MnS specification for 5G | * AT&T, Deutsche Telekom, Orange | * revised |  | * S5-195836 |
| * S5-195082 | * Heartbeat MnS - Stage 1 - TS Skeleton | * AT&T, Deutsche Telekom, Orange | * merged |  | * S5-195849 |
| * S5-195083 | * pCR Heartbeat MnS - Stage 1 - Intro, Scope, Overview | * AT&T, Deutsche Telekom, Orange | * merged |  | * S5-195849 |
| * S5-195084 | * pCR Heartbeat MnS - Stage 1 - Use cases, Requirements | * AT&T, Deutsche Telekom, Orange | * merged |  | * S5-195849 |
| * S5-195085 | * pCR Heartbeat MnS - Stage 1 - Management services, Procedures | * AT&T, Deutsche Telekom, Orange | * merged |  | * S5-195849 |
| * S5-195086 | * Rel-16 CR 28.622 Add NRM fragment supporting the management of notification subscriptions | * AT&T, Deutsche Telekom, Nokia, Orange | * not pursued |  |  |
| * S5-195087 | * Rel-16 CR 28.623 Add NRM fragment supporting the management of notification subscriptions | * AT&T, Deutsche Telekom, Nokia, Orange | * not pursued |  |  |
| * S5-195088 | * LS reply on energy efficiency | * Orange | * revised |  | * S5-195667 |
| * S5-195089 | * Rel-15 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422 | * China Telecommunications | * agreed |  |  |
| * S5-195090 | * Rel-14 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422 | * China Telecommunications | * agreed |  |  |
| * S5-195091 | * Rel-13 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422 | * China Telecommunications | * agreed |  |  |
| * S5-195092 | * Rel-12 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422 | * China Telecommunications | * agreed |  |  |
| * S5-195093 | * Rel-11 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422 | * China Telecommunications | * agreed |  |  |
| * S5-195094 | * Rel-15 CR TS 28.550 Correction on the components of performance data streaming services | * China Telecommunications, ZTE | * merged |  | * S5-195885 |
| * S5-195095 | * Rel-16 CR TS 28.550 Correction on the components of performance data streaming services | * China Telecommunications, ZTE | * not pursued |  | * - |
| * S5-195096 | * Rel-16 CR 32.255 Correction of Serving Node change | * China Mobile Com. Corporation | * revised |  | * S5-195730 |
| * S5-195097 | * Rel-15 CR 32.255 Correction of Serving Node change | * China Mobile Com. Corporation | * revised |  | * S5-195729 |
| * S5-195098 | * Presentation of TS 28.404 for Approval to SA#85 | * Nanjing Ericsson Panda Com Ltd | * revised |  | * S5-195656 |
| * S5-195099 | * Presentation of TS 28.405 for Information to SA#85 | * Nanjing Ericsson Panda Com Ltd | * approved |  |  |
| * S5-195100 | * Revised WID on Management of QoE measurement collection | * Nanjing Ericsson Panda Com Ltd | * noted |  |  |
| * S5-195101 | * Rel-15 CR 32.298 Correction on NetworkFunctionality | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-195102 | * Rel-16 CR 32.298 Correction on NetworkFunctionality | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-195103 | * New WID on Charging aspects of Enhancing Topology of SMF and UPF in 5G Networks | * China Mobile Com. Corporation | * revised |  | * S5-195571 |
| * S5-195104 | * Rel-15 CR TS 28.541 Update class definition with inheritance information | * Huawei | * revised |  | * - |
| * S5-195105 | * Rel-16 CR TS 28.541 Update class definition with inheritance information | * Huawei | * revised |  | * S5-195739 |
| * S5-195106 | * Rel-15 CR TS 28.622 Update class definition with inheritance information | * Huawei | * revised |  | * S5-195740 |
| * S5-195107 | * Rel-16 CR TS 28.622 Update class definition with inheritance information | * Huawei | * revised |  | * S5-195741 |
| * S5-195108 | * Rel-15 CR TS 28.620 Update class definition with inheritance information | * Huawei | * revised |  | * S5-195742 |
| * S5-195109 | * Rel-15 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * revised |  | * S5-195647 |
| * S5-195110 | * Rel-16 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * revised |  | * S5-195648 |
| * S5-195111 | * Rel-15 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework | * Huawei | * not pursued |  |  |
| * S5-195112 | * Rel-16 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework | * Huawei | * revised |  | * S5-195649 |
| * S5-195113 | * Rel-15 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios | * Huawei | * revised |  | * S5-195743 |
| * S5-195114 | * Rel-16 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios | * Huawei | * revised |  | * S5-195744 |
| * S5-195115 | * Rel-15 CR TS 28.541 Correct XML solution set for NR | * Huawei | * revised |  | * S5-195735 |
| * S5-195116 | * Rel-16 CR TS 28.541 Correct XML solution set for NR | * Huawei | * agreed |  |  |
| * S5-195117 | * Rel-15 CR TS 28.541 Correct XML solution set for Network slice | * Huawei | * agreed |  |  |
| * S5-195118 | * Rel-16 CR TS 28.541 Correct XML solution set for Network slice | * Huawei | * agreed |  |  |
| * S5-195119 | * Rel-15 CR TS 28.533 Add deployment scenario | * Huawei | * revised |  | * S5-195650 |
| * S5-195120 | * Rel-16 CR TS 28.533 Add deployment scenario | * Huawei | * revised |  | * S5-195651 |
| * S5-195121 | * Rel-15 CR TS 28.531 Add the identifier description | * Huawei | * withdrawn |  |  |
| * S5-195122 | * Rel-16 CR TS 28.531 Add the identifier description | * Huawei | * revised |  | * S5-195641 |
| * S5-195123 | * pCR 28.861 Update SON concept | * Huawei | * approved |  |  |
| * S5-195124 | * pCR 28.861 Add overview of potential solution for CCO | * Huawei | * revised |  | * S5-195893 |
| * S5-195125 | * pCR 28.861 Update potential solution for self-establishment of NFs | * Huawei | * approved |  |  |
| * S5-195126 | * pCR TR 28.861 Add potential solution for ANR management | * Huawei | * merged |  | * S5-195672 |
| * S5-195127 | * pCR TR 28.861 Add potential solution for PCI configuration | * Huawei | * revised |  | * S5-195861 |
| * S5-195128 | * pCR 28.861 Add conclusion and recommendation | * Huawei | * revised |  | * S5-195894 |
| * S5-195129 | * Rel-15 CR 28.532 Global reorganization plus correcting operation names and wrong references | * AT&T, Huawei, Orange | * revised | * S5-194413 | * S5-195645 |
| * S5-195130 | * Rel-16 CR 28.532 Global reorganization plus correcting operation names and wrong references | * AT&T, Huawei, Orange | * revised | * S5-194414 | * S5-195646 |
| * S5-195131 | * Rel-16 CR 32.290 Introduce AMF as a new NF consumer | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195592 |
| * S5-195132 | * Rel-15 CR 32.297 Correction of reference architecture in 5G | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195731 |
| * S5-195133 | * Rel-16 CR 32.297 Correction of reference architecture in 5G | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195753 |
| * S5-195134 | * Rel-16 pCR 32.256 Introduction of CHF Address from PCF | * Nokia, Nokia Shanghai Bell | * approved |  |  |
| * S5-195135 | * Rel-16 pCR 32.256 Introduction of Location reporting charging | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195583 |
| * S5-195136 | * Rel-16 pCR 32.256 Add non-3GPP to N2 connections flows | * Nokia, Nokia Shanghai Bell | * approved |  |  |
| * S5-195137 | * Rel-16 pCR 32.256 Introduction of Registration ECUR and confirm IEC | * Nokia, Nokia Shanghai Bell | * approved |  |  |
| * S5-195138 | * Rel-16 pCR 32.256 AMF Charging profile and Charging Characteristics | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195584 |
| * S5-195139 | * Rel-16 pCR 32.256 Introduction of Presence Reporting Area (PRA) | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195585 |
| * S5-195140 | * Rel-16 pCR 32.256 Additional Applicable Triggers in the AMF | * Nokia, Nokia Shanghai Bell | * withdrawn |  |  |
| * S5-195141 | * Rel-16 pCR 32.256 Introduction of Location reporting charging information | * Nokia, Nokia Shanghai Bell | * withdrawn |  |  |
| * S5-195142 | * Rel-16 pCR 32.845 Solve Editor's note on Business Roles | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195598 |
| * S5-195143 | * Rel-16 pCR 32.845 Use of MnS for performance data and architecture implications | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195599 |
| * S5-195144 | * Rel-16 pCR 32.845 Use of MnS by NWDAF for performance data | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195600 |
| * S5-195145 | * Rel-16 pCR 32.845 Use of NWDAF for Load - evaluation | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195601 |
| * S5-195146 | * Rel-16 pCR 32.845 Introduce flows for NSI Operations | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195604 |
| * S5-195147 | * Rel-16 pCR 32.845 Solutions evaluation for Key issue #1.1 | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195602 |
| * S5-195148 | * Rel-16 pCR 32.845 New topic 2 use cases - shared and private NSI | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195605 |
| * S5-195149 | * Rel-16 pCR 32.845 Solution #2.1 - evaluation | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195606 |
| * S5-195150 | * Rel-16 pCR 32.845 New Solution for Key issue #2.1 | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195607 |
| * S5-195151 | * Rel-16 pCR 32.845 Solutions for Key issue #2.2 | * Nokia, Nokia Shanghai Bell | * approved |  |  |
| * S5-195152 | * Rel-16 pCR 32.845 Solutions evaluation for topic 2 | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195714 |
| * S5-195153 | * Rel-15 CR 28.550 Add the missing stage 2 solutions for performance data streaming service | * Intel | * revised |  | * S5-195885 |
| * S5-195154 | * Rel-15 CR 28.550 Add the missing stage 3 solutions for performance data streaming service | * Intel, Nokia | * not pursued |  | * - |
| * S5-195155 | * Rel-16 CR 28.550 Add the missing stage 3 solutions for performance data streaming service | * Intel, Nokia | * not pursued |  | * - |
| * S5-195156 | * Discussion on E2E Delay measurements and control | * Intel | * noted |  |  |
| * S5-195157 | * Rel-16 CR 28.552 Update and add delay related measurements for NG-RAN | * Intel | * revised |  | * S5-195689 |
| * S5-195158 | * Rel-16 CR 28.552 Update and add latency related measurements for NG-RAN | * Intel | * revised |  | * S5-195690 |
| * S5-195159 | * Rel-16 CR 28.552 Add measurements related to RTT N3 delay for UL data packets on gNB CU-UP | * Intel | * not pursued |  | * - |
| * S5-195160 | * Rel-16 CR 28.552 Update and add measurements related to RTT N3 delay for DL data packets on UPF | * Intel | * revised |  | * S5-195691 |
| * S5-195161 | * Rel-16 CR 28.552 Add measurements related to RTT N9 delay | * Intel | * revised |  | * S5-195696 |
| * S5-195162 | * Rel-16 CR 28.552 Add measurements related to delay within UPF | * Intel | * revised |  | * S5-195697 |
| * S5-195163 | * Rel-16 CR 28.552 Add measurements on one way delay between PSA UPF and NG-RAN | * Intel | * not pursued |  |  |
| * S5-195164 | * Rel-16 CR 28.552 Add measurements on RTT delay between PSA UPF and NG-RAN | * Intel | * not pursued |  |  |
| * S5-195165 | * Rel-16 CR 28.552 Add measurements on RTT delay between PSA UPF and UE | * Intel | * revised |  | * S5-195698 |
| * S5-195166 | * pCR 28.861 Update the use case on ANR optimization | * Intel, Verizon, Cisco, ETRI | * revised |  | * S5-195669 |
| * S5-195167 | * pCR 28.861 Add solution for ANR optimization | * Intel, Verizon, ETRI | * revised |  | * S5-195671 |
| * S5-195168 | * pCR 28.861 revise use case for PCI configuration | * Intel Corporation (UK) Ltd | * revised |  | * S5-195859 |
| * S5-195169 | * pCR 28.861 solution for PCI configuration | * Intel Corporation (UK) Ltd | * merged |  | * S5-195861 |
| * S5-195170 | * pCR 28.861 revise use cases for energy saving | * Intel Corporation (UK) Ltd | * revised |  | * S5-195666 |
| * S5-195171 | * pCR 28.861 solution for energy saving | * Intel Corporation (UK) Ltd | * noted |  |  |
| * S5-195172 | * pCR 28.861 solution for load balancing optimization | * Intel Corporation (UK) Ltd | * revised |  | * S5-195864 |
| * S5-195173 | * pCR 28.861 solution for MRO | * Intel Corporation (UK) Ltd | * revised |  | * S5-195865 |
| * S5-195174 | * pCR 28.861 solution for RACH optimization | * Intel Corporation (UK) Ltd | * revised |  | * S5-195866 |
| * S5-195175 | * pCR 28.861 add conclusions | * Intel Corporation (UK) Ltd | * merged |  | * S5-195894 |
| * S5-195176 | * pCR 28.861 clean-up | * Intel Corporation (UK) Ltd | * approved |  |  |
| * S5-195177 | * Add use case and definitions of user plane packet delay measurement between UE and UPF | * ETRI | * withdrawn |  |  |
| * S5-195178 | * Rel-16 CR TS 28.541 Clarification on slice model | * Huawei | * revised |  | * S5-195745 |
| * S5-195179 | * pCR 28.311 Add abbreviations | * China Mobile Com. Corporation | * approved |  |  |
| * S5-195180 | * Rel-16 CR 28.552 Add PEE measurements and related use case description | * Ericsson, Huawei, Orange | * revised |  | * S5-195660 |
| * S5-195181 | * Rel-16 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * revised |  | * S5-195736 |
| * S5-195182 | * pCR 28.812 Clean-up | * Huawei | * revised |  | * S5-195675 |
| * S5-195183 | * pCR 28.812 Add solution for Cell Rehoming | * Huawei | * revised |  | * S5-195852 |
| * S5-195184 | * pCR 28.812 Add description for intent driven action | * Huawei | * revised |  | * S5-195677 |
| * S5-195185 | * pCR 28.812 Add description for intent driven object | * Huawei | * merged |  | * S5-195677 |
| * S5-195186 | * pCR 28.812 Update the description of the intent state transition | * Huawei | * revised |  | * S5-195679 |
| * S5-195187 | * pCR 28.812 Add feedback in intent driven network optimization scenario | * Huawei | * revised |  | * S5-195680 |
| * S5-195188 | * pCR 28.812 Add the solution for intent driven network optimization scenario | * Huawei | * revised |  | * S5-195853 |
| * S5-195189 | * pCR 28.812 Add the solution for network provisioning scenario | * Huawei | * revised |  | * S5-195854 |
| * S5-195190 | * pCR 28.812 Add Conclusion and Recommendation | * Huawei | * revised |  | * S5-195858 |
| * S5-195191 | * pCR 28.311 Add references | * China Mobile Com. Corporation | * revised |  | * S5-195843 |
| * S5-195192 | * Rel-15 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * revised |  | * S5-195750 |
| * S5-195193 | * Rel-16 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * revised |  | * S5-195751 |
| * S5-195194 | * pCR 28.311 Add overview | * China Mobile Com. Corporation | * revised |  | * S5-195845 |
| * S5-195195 | * pCR 28.311 Rewrite business level requirements | * China Mobile Com. Corporation | * revised |  | * S5-195846 |
| * S5-195196 | * pCR 28.311 Add specification level requirements | * China Mobile Com. Corporation | * revised |  | * S5-195847 |
| * S5-195197 | * new SID on study on KPI reporting | * ZTE, China Telecom, Intel | * revised |  | * S5-195633 |
| * S5-195198 | * Rel-15 CR TS 28.622 Add measurements attribute into related IOCs | * ZTE Trunking Technology Corp. | * withdrawn |  |  |
| * S5-195199 | * Rel-16 CR TS 28.622 Add measurements attribute into related IOCs | * ZTE Trunking Technology Corp. | * withdrawn |  |  |
| * S5-195200 | * Rel-15 CR 32.298 Correction of NetworkFunctionInformation | * Ericsson | * revised |  | * S5-195819 |
| * S5-195201 | * Rel-16 CR 32.298 Correction of NetworkFunctionInformation | * Ericsson | * revised |  | * S5-195795 |
| * S5-195202 | * Rel-15 CR 32.291 Correction of Report Time in QFI Container Information | * Ericsson | * revised |  | * S5-195754 |
| * S5-195203 | * Rel-16 CR 32.291 Correction of Report Time in QFI Container Information | * Ericsson | * revised |  | * S5-195755 |
| * S5-195204 | * Rel-15 CR 32.291 Correction of SubscriptionIdentificationType | * Ericsson | * revised |  | * S5-195756 |
| * S5-195205 | * Rel-16 CR 32.291 Correction of SubscriptionIdentificationType | * Ericsson | * revised |  | * S5-195757 |
| * S5-195206 | * Rel-15 CR 32.291 Correction of nfConsumerIdentification as required | * Ericsson | * not pursued |  |  |
| * S5-195207 | * Rel-16 CR 32.291 Correction of nfConsumerIdentification as required | * Ericsson | * not pursued |  |  |
| * S5-195208 | * pCR 28.804 Use cases of management capability for tenant | * Huawei | * revised |  | * S5-195806 |
| * S5-195209 | * pCR 28.804 Conclusion and recommendations | * Huawei | * revised |  | * S5-195830 |
| * S5-195210 | * pCR 28.804 EGMF in multiple tenants environment | * Huawei | * revised |  | * S5-195808 |
| * S5-195211 | * pCR 28.804 Management capability of tenant | * Huawei | * revised |  | * S5-195810 |
| * S5-195212 | * pCR 28.804 Add tenancy relation with CSI | * Huawei | * revised |  | * S5-195807 |
| * S5-195213 | * pCR 28.804 Fault supervision management to support multiple tenant environment | * Huawei | * revised |  | * S5-195811 |
| * S5-195214 | * pCR 28.804 NF performance measurment to support multiple tenant environment | * Huawei | * revised |  | * S5-195812 |
| * S5-195215 | * pCR 28.804 Provisioning management service enhancement to support multiple tenant environment | * Huawei | * revised |  | * S5-195813 |
| * S5-195216 | * pCR 28.804 remove EN | * Huawei | * revised |  | * S5-195814 |
| * S5-195217 | * Presentation sheet for TR 28.804 | * Huawei | * approved |  |  |
| * S5-195218 | * Rel-16 CR TS 28.530 Add use case MnS query and related requirement | * Huawei | * revised |  | * S5-195775 |
| * S5-195219 | * Rel-16 CR TS 28.533 Add management service discovery solution concept | * Huawei | * revised |  | * S5-195778 |
| * S5-195220 | * Rel-16 CR TS 28.533 Remove use case MnS query and related requirement | * Huawei | * merged |  | * S5-195777 |
| * S5-195221 | * Rel-16 CR TS 28.533 Getting management service URI for MnS discovery | * Huawei | * revised |  | * S5-195780 |
| * S5-195222 | * Rel-16 CR TS 28.532 Add stage 2 and stage 3 definition for MnSCapabilityQuery operation | * Huawei | * revised |  | * S5-195779 |
| * S5-195223 | * pCR 28.805 MDA-assistant SLA Evaluation | * Huawei | * revised |  | * S5-195840 |
| * S5-195224 | * Rel-16 CR TS 28.550 NSI and NSSI performance assurance | * Huawei | * revised |  | * S5-195686 |
| * S5-195225 | * NWI on enhancement of 3GPP management system for multiple tenant envorinment support | * Huawei | * revised |  | * S5-195637 |
| * S5-195226 | * CR Rel-8 32.426 Correct description of measurement KPI of paging | * Huawei | * agreed |  |  |
| * S5-195227 | * CR Rel-9 32.426 Correct description of measurement KPI of paging | * Huawei | * agreed |  |  |
| * S5-195228 | * CR Rel-10 32.426 Correct description of measurement KPI of paging | * Huawei | * agreed |  |  |
| * S5-195229 | * CR Rel-11 32.426 Correct description of measurement KPI of paging | * Huawei | * agreed |  |  |
| * S5-195230 | * CR Rel-12 32.426 Correct description of measurement KPI of paging | * Huawei | * agreed |  |  |
| * S5-195231 | * CR Rel-13 32.426 Correct description of measurement KPI of paging | * Huawei | * agreed |  |  |
| * S5-195232 | * CR Rel-14 32.426 Correct description of measurement KPI of paging | * Huawei | * agreed |  |  |
| * S5-195233 | * CR Rel-15 32.426 Correct description of measurement KPI of paging | * Huawei | * agreed |  |  |
| * S5-195234 | * Rel-16 CR 32.255 Correction of Termination action | * Ericsson | * revised |  | * S5-195758 |
| * S5-195235 | * Rel-15 CR 32.291 Correction of multipleQuotaInformation | * Ericsson | * revised |  | * S5-195761 |
| * S5-195236 | * Draft CR Rel-16 28.532 Add Heartbeat MnS Stage 2 and 3 | * AT&T, Deutsche Telekom, Orange | * noted |  |  |
| * S5-195237 | * Rel-16 CR 32.291 Correction of multipleQuotaInformation | * Ericsson | * revised |  | * S5-195762 |
| * S5-195238 | * Rel-15 CR 32.290 Correction of multipleQuotaInformation | * Ericsson | * revised |  | * S5-195759 |
| * S5-195239 | * Rel-16 CR 32.290 Correction of multipleQuotaInformation | * Ericsson | * revised |  | * S5-195760 |
| * S5-195240 | * Discussion paper around Bursty and Continuous flows | * Ericsson Hungary Ltd | * endorsed |  |  |
| * S5-195241 | * Rel-15 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes | * Ericsson | * revised |  | * S5-195722 |
| * S5-195242 | * Rel-16 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes | * Ericsson | * revised |  | * S5-195723 |
| * S5-195243 | * Rel-15 CR 32.291 Correction of HTTP Status Codes | * Ericsson | * revised |  | * S5-195796 |
| * S5-195244 | * Add measurements related to DRB retainability | * Ericsson-LG Co., LTD | * revised | * S5-193389 | * S5-195700 |
| * S5-195245 | * Rel-16 CR 32.291 Correction of HTTP Status Codes | * Ericsson | * revised |  | * S5-195797 |
| * S5-195246 | * Rel-15 CR 32.291 Correction of RoamingQBCInformation in Binding of 5G data connectivity | * Ericsson | * not pursued |  |  |
| * S5-195247 | * Rel-16 CR 32.291 Correction of RoamingQBCInformation in Binding of 5G data connectivity | * Ericsson | * not pursued |  |  |
| * S5-195248 | * Rel-15 CR 32.291 Correction of version numbering | * Ericsson | * revised |  | * S5-195767 |
| * S5-195249 | * Rel-16 CR 32.254 Update of NEF API Charging Information | * Ericsson | * revised |  | * S5-195574 |
| * S5-195250 | * Add KPI for DRB Retainability | * Ericsson-LG Co., LTD | * agreed | * S5-193390 |  |
| * S5-195251 | * Rel-16 CR 32.254 Addition of detailed message format for converged charging | * Ericsson | * revised |  | * S5-195575 |
| * S5-195252 | * Discussion paper around RRM Policy | * Ericsson Hungary Ltd | * noted |  |  |
| * S5-195253 | * Rel-16 CR 32.275 Addition of converged charging architecture | * Ericsson | * revised | * S5-194200 | * S5-195587 |
| * S5-195254 | * Rel-16 CR 32.275 Addition of converged charging scenarios | * Ericsson | * revised | * S5-194201 | * S5-195588 |
| * S5-195255 | * Rel-16 CR 32.275 Addition of applicable Triggers for converged charging | * Ericsson | * revised | * S5-194202 | * S5-195589 |
| * S5-195256 | * Rel-16 CR 32.275 Addition of converged charging message flows | * Ericsson | * not pursued | * S5-194203 |  |
| * S5-195257 | * Rel-16 CR 32.275 Addition of converged charging CDR handling | * Ericsson | * revised | * S5-194204 | * S5-195590 |
| * S5-195258 | * Rel-16 CR 32.281 Addition of converged charging architecture | * Ericsson | * revised | * S5-194205 | * S5-195591 |
| * S5-195259 | * Rel-16 CR 32.281 Addition of converged charging basic principles | * Ericsson | * revised | * S5-194206 | * S5-195594 |
| * S5-195260 | * Rel-16 CR 32.281 Addition of converged charging flows | * Ericsson | * revised | * S5-194207 | * S5-195595 |
| * S5-195261 | * Rel-16 CR 32.281 Addition of converged charging information principles | * Ericsson | * revised | * S5-194208 | * S5-195596 |
| * S5-195262 | * Discussion on MDAS | * Intel, NEC, ZTE, TMO, AT&T, China Telecom, China Mobile | * revised |  | * S5-195557 |
| * S5-195263 | * New SID Study on Management Data Analytics Service | * Intel, NEC, ZTE, TMO, AT&T, China Telecom, China Mobile | * revised |  | * S5-195558 |
| * S5-195264 | * Rel-16 CR TR 32.972 Correct external reference version number | * Orange | * agreed |  |  |
| * S5-195265 | * Way forward for the edge computing management study | * Intel Corporation (UK) Ltd | * revised |  | * S5-195804 |
| * S5-195266 | * Add Number of PDU session creation in HR roaming scenario | * ETRI | * revised |  | * S5-195701 |
| * S5-195267 | * Update the measurement related to Number of PDU session creation | * ETRI | * revised |  | * S5-195702 |
| * S5-195268 | * Add UE Configuration Update procedure related measurements | * ETRI | * revised |  | * S5-195703 |
| * S5-195269 | * pCR 28.310 Update scope | * Huawei | * revised |  | * S5-195664 |
| * S5-195270 | * pCR 28.310 Add references for gNB deployment scenarios | * Huawei | * approved |  |  |
| * S5-195271 | * pCR 28.310 Add definitions for supporting 5G ESM | * Huawei, Orange | * noted |  | * - |
| * S5-195272 | * pCR 28.310 Add concept of energy saving management | * Huawei, Orange | * revised |  | * S5-195663 |
| * S5-195273 | * pCR 28.310 Add use case of gNB overlaid | * Huawei, Orange | * revised |  | * S5-195665 |
| * S5-195274 | * pCR 28.310 Add EE control framework | * Huawei | * noted |  |  |
| * S5-195275 | * pCR 28.805 Mapping of 3GPP ServiceProfile and GSMA GST NEST | * Huawei | * revised |  | * S5-195831 |
| * S5-195276 | * pCR 28.805 Resolution of two editor notes | * Huawei | * approved |  |  |
| * S5-195277 | * pCR 28.805 Update on solution for translation of SLA into SLA requirements | * Huawei | * revised |  | * S5-195834 |
| * S5-195278 | * pCR 28.805 Updates to MDA-Assisted network optimization | * Huawei | * approved |  |  |
| * S5-195279 | * pCR 28.805 updates to CSMF function | * Huawei | * revised |  | * S5-195833 |
| * S5-195280 | * pCR 28.807 Add terms of NPN | * Huawei | * merged |  | * S5-195881 |
| * S5-195281 | * pCR 28.807 Add scope of TR | * Huawei | * revised |  | * S5-195883 |
| * S5-195282 | * pCR 28.807 Add concept of NPN | * Huawei | * approved |  |  |
| * S5-195283 | * Rel-16 CR TS 28.552 Correction of Registered subscribers measurement for AMF | * China Mobile Com. Corporation | * not treated |  |  |
| * S5-195284 | * Rel-15 CR TS 28.552 Correction of Registered subscribers measurement for AMF | * China Mobile Com. Corporation | * not treated |  |  |
| * S5-195285 | * Discussion on management data analytics | * Huawei | * merged |  | * S5-195630 |
| * S5-195286 | * Rel-16 CR TS 28.552 Correction of QoS flow monitoring for SMF | * China Mobile Com. Corporation | * agreed |  |  |
| * S5-195287 | * New SID on management data analytics for 5G network and network slice | * Huawei | * merged |  | * S5-195631 |
| * S5-195288 | * Rel-16 CR TS 28.552 Add Registered subscribers related measurements for AMF | * China Mobile Com. Corporation | * not treated |  |  |
| * S5-195289 | * Rel-15 CR TS 28.552 Add Registered subscribers related measurements for AMF | * China Mobile Com. Corporation | * not treated |  |  |
| * S5-195290 | * Rel-15 CR TS 28.531 Add the identifier description | * Huawei | * revised | * S5-194462 | * S5-195640 |
| * S5-195291 | * Rel-16 CR 28.541 Correction of Network slice NRM relationship | * China Telecom Corporation Ltd. | * withdrawn |  |  |
| * S5-195292 | * Rel-16 CR TS 28.552 Add Unregistered subscribers related measurements for UDM | * China Mobile Com. Corporation | * not treated |  |  |
| * S5-195293 | * Rel-15 CR TS 28.552 Add Unregistered subscribers related measurements for UDM | * China Mobile Com. Corporation | * not treated |  |  |
| * S5-195294 | * Rel-16 CR 28.541 Correction of Network slice NRM relationship | * China Telecom Corporation Ltd. | * not pursued |  |  |
| * S5-195295 | * Rel-16 pCR 28.805 Solution for communication services creation | * Samsung R&D Institute UK | * noted |  | * - |
| * S5-195296 | * Rel-15 CR 32.290 Add the NF services | * Huawei | * revised |  | * S5-195769 |
| * S5-195297 | * Rel-15 CR 32.290 Add the Group ID for CHF registration | * Huawei | * not pursued |  |  |
| * S5-195298 | * Rel-15 CR 32.290 Add the Service Context information | * Huawei | * revised |  | * S5-195771 |
| * S5-195299 | * Rel-15 CR 32.290 Correction on Trigger Mechanism | * Huawei | * revised |  | * S5-195783 |
| * S5-195300 | * Rel-15 CR 32.291 Correct the QoS Change Trigger | * Huawei | * agreed |  |  |
| * S5-195301 | * Rel-15 CR 32.298 Add the selection model in PDU session information | * Huawei | * revised |  | * S5-195787 |
| * S5-195302 | * Rel-15 CR 32.298 Add the access type | * Huawei | * not pursued |  |  |
| * S5-195303 | * Rel-15 CR 32.291 Add the selection model in PDU session information | * Huawei | * revised |  | * S5-195789 |
| * S5-195304 | * Rel-15 CR 32.291 Add access type | * Huawei | * not pursued |  |  |
| * S5-195305 | * Rel-15 CR 32.291 Add access type change | * Huawei | * not pursued |  |  |
| * S5-195306 | * Rel-15 CR 32.255 Add the selection model in PDU session information | * Huawei | * revised |  | * S5-195785 |
| * S5-195307 | * Rel-15 CR 32.255 Add the access type | * Huawei | * not pursued |  |  |
| * S5-195308 | * Rel-15 CR 32.255 Add the access type change trigger | * Huawei | * not pursued |  |  |
| * S5-195309 | * Rel-15 CR 32.290 Clarification of Retry handling | * Huawei | * revised |  | * S5-195716 |
| * S5-195310 | * Discussion Paper on retry handling mechenism | * Huawei | * noted |  |  |
| * S5-195311 | * Rel-15 CR 32.255 coordination of information element category | * Huawei | * revised |  | * S5-195791 |
| * S5-195312 | * Rel-15 CR 32.255 correction of PDU session charging information definition | * Huawei | * agreed |  |  |
| * S5-195313 | * Rel-15 CR 32.290 coordination of information element category | * Huawei | * not pursued |  |  |
| * S5-195314 | * Rel-15 CR 32.290 correction of failure handling | * Huawei, China Mobile | * revised |  | * S5-195618 |
| * S5-195315 | * Rel-15 CR 32.290 correction of notify response | * Huawei | * revised |  | * S5-195720 |
| * S5-195316 | * Rel-15 CR 32.290 event based charging refund mechanism | * Huawei | * revised |  | * S5-195577 |
| * S5-195317 | * Rel-15 CR 32.291 event based charging mechanism | * Huawei | * revised |  | * S5-195579 |
| * S5-195318 | * Rel-15 CR 32.291 Bindings of common field correction | * Huawei | * revised |  | * S5-195763 |
| * S5-195319 | * Rel-15 CR 32.291 coordination of attribute Presence condition | * Huawei | * revised |  | * S5-195793 |
| * S5-195320 | * Rel-15 CR 32.291 Bindings for 5G data connectivity correction | * Huawei | * revised |  | * S5-195765 |
| * S5-195321 | * Rel-15 CR 32.291 correction of data structure of response body | * Huawei | * revised |  | * S5-195798 |
| * S5-195322 | * Rel-15 CR 32.291 correction of serving Network Function identifier | * Huawei | * agreed |  |  |
| * S5-195323 | * Rel-15 CR 32.298 coordination of CHF CDR parameters category | * Huawei | * not pursued |  |  |
| * S5-195324 | * Rel-15 CR 32.298 Correct inconsistent CHF CDR parameter | * Huawei | * revised |  | * S5-195800 |
| * S5-195325 | * Rel-15 CR 32.290 Correction on response code handling | * Huawei | * revised |  | * S5-195718 |
| * S5-195326 | * Rel-16 CR 32.260 IMS converged charging architecture introducation. | * Huawei | * revised |  | * S5-195597 |
| * S5-195327 | * Rel-16 CR 32.260 System Architecture to support SBA in IMS introduction | * Huawei | * not pursued |  |  |
| * S5-195328 | * Rel-16 CR 32.255 Clarification on RAT Type change | * Huawei | * revised |  | * S5-195573 |
| * S5-195329 | * New WID on offline only charging service for event based charging | * Huawei | * noted |  |  |
| * S5-195330 | * Rel-16 CR 32.291 Correct datetime description in data model | * Huawei | * not pursued |  |  |
| * S5-195331 | * Rel-15 CR 32.291 Correct datetime description in data model | * Huawei | * not pursued |  |  |
| * S5-195332 | * Rel-16 CR 32.290 Add the NF services | * Huawei | * revised |  | * S5-195770 |
| * S5-195333 | * Rel-16 CR 32.290 Add the Group ID for CHF registration | * Huawei | * not pursued |  |  |
| * S5-195334 | * Rel-16 CR 32.290 Add the Service Context information | * Huawei | * revised |  | * S5-195772 |
| * S5-195335 | * Rel-16 CR 32.290 Correction on Trigger Mechanism | * Huawei | * revised |  | * S5-195784 |
| * S5-195336 | * Rel-16 CR 32.291 Correct the QoS Change Trigger | * Huawei | * agreed |  |  |
| * S5-195337 | * Rel-16 CR 32.298 Add the selection model in PDU session information | * Huawei | * revised |  | * S5-195788 |
| * S5-195338 | * Rel-16 CR 32.298 Add the access type | * Huawei | * not pursued |  |  |
| * S5-195339 | * Rel-16 CR 32.291 Add the selection model in PDU session information | * Huawei | * revised |  | * S5-195790 |
| * S5-195340 | * Rel-16 CR 32.291 Add access type | * Huawei | * not pursued |  |  |
| * S5-195341 | * Rel-16 CR 32.291 Add access type change | * Huawei | * not pursued |  |  |
| * S5-195342 | * Rel-16 CR 32.255 Add the selection model in PDU session information | * Huawei | * revised |  | * S5-195786 |
| * S5-195343 | * Rel-16 CR 32.255 Add the access type | * Huawei | * not pursued |  |  |
| * S5-195344 | * Rel-16 CR 32.255 Add the access type change trigger | * Huawei | * not pursued |  |  |
| * S5-195345 | * Rel-16 CR 32.290 Clarification of Retry handling | * Huawei | * revised |  | * S5-195717 |
| * S5-195346 | * Rel-16 CR 32.255 coordination of information element category | * Huawei | * revised |  | * S5-195792 |
| * S5-195347 | * Rel-16 CR 32.255 correction of PDU session charging information definition | * Huawei | * agreed |  |  |
| * S5-195348 | * Rel-16 CR 32.290 coordination of information element category | * Huawei | * not pursued |  |  |
| * S5-195349 | * Rel-16 CR 32.290 correction of failure handling | * Huawei,China Mobile | * revised |  | * S5-195712 |
| * S5-195350 | * Rel-16 CR 32.290 correction of notify response | * Huawei | * revised |  | * S5-195721 |
| * S5-195351 | * Rel-16 CR 32.290 event based charging refund mechanism | * Huawei | * revised |  | * S5-195578 |
| * S5-195352 | * Rel-16 CR 32.291 event based charging refund mechanism | * Huawei | * revised |  | * S5-195580 |
| * S5-195353 | * Rel-16 CR 32.291 Bindings of common field correction | * Huawei | * revised |  | * S5-195764 |
| * S5-195354 | * Rel-16 CR 32.291 coordination of attribute Presence condition | * Huawei | * revised |  | * S5-195794 |
| * S5-195355 | * Rel-16 CR 32.291 Bindings for 5G data connectivity correction | * Huawei | * revised |  | * S5-195766 |
| * S5-195356 | * Rel-16 CR 32.291 correction of data structure of response body | * Huawei | * revised |  | * S5-195799 |
| * S5-195357 | * Rel-16 CR 32.291 correction of serving Network Function identifier | * Huawei | * agreed |  |  |
| * S5-195358 | * Rel-16 CR 32.298 coordination of CHF CDR parameters category | * Huawei | * not pursued |  |  |
| * S5-195359 | * Rel-16 CR 32.298 Correct inconsistent CHF CDR parameter | * Huawei | * revised |  | * S5-195801 |
| * S5-195360 | * Rel-16 CR 32.290 Correction on response code handling | * Huawei | * revised |  | * S5-195719 |
| * S5-195361 | * New WID on Network Slice Charging in 5G System | * Huawei | * revised |  | * S5-195572 |
| * S5-195362 | * Rel-16 pCR TR 32.845 Add the solution evaluation for performance based charging | * Huawei | * revised |  | * S5-195713 |
| * S5-195363 | * Rel-16 pCR TR 32.845 New topic about Business to Business to X | * Huawei | * revised |  | * S5-195615 |
| * S5-195364 | * Rel-16 pCR TR 32.845 Add the use case 2.1 for topic 2 | * Huawei | * merged |  | * S5-195605 |
| * S5-195365 | * Rel-16 pCR TR 32.845 Conclusion on event based charging | * Huawei | * noted |  | * - |
| * S5-195366 | * Rel-15 CR 32.255 Add the Failure handling support | * Huawei, China Mobile | * not pursued |  |  |
| * S5-195367 | * Rel-15 CR 32.290 Add the Failure handling support | * Huawei, China Mobile | * not pursued |  |  |
| * S5-195368 | * Rel-15 CR 32.291 Add the Failure handling support | * Huawei, China Mobile | * not pursued |  |  |
| * S5-195369 | * Rel-15 CR 32.298 Add the Failure handling support | * Huawei, China Mobile | * not pursued |  |  |
| * S5-195370 | * Rel-16 CR 32.255 Add the Failure handling support | * Huawei, China Mobile | * not pursued |  |  |
| * S5-195371 | * Rel-16 CR 32.290 Add the Failure handling support | * Huawei, China Mobile | * not pursued |  |  |
| * S5-195372 | * Rel-16 CR 32.291 Add the Failure handling support | * Huawei, China Mobile | * not pursued |  |  |
| * S5-195373 | * Rel-16 CR 32.298 Add the Failure handling support | * Huawei, China Mobile | * not pursued |  |  |
| * S5-195374 | * Rel-16 CR TS 28.552 Modify PM definition for non-spit NG-RAN scenario | * Huawei | * revised |  | * S5-195704 |
| * S5-195375 | * Rel-16 CR TS 28.552 Modify DRB setup management related measurements | * Huawei | * revised |  | * S5-195707 |
| * S5-195376 | * Rel-16 CR TS 28.552 Modify PDU Sessions setup related measurements | * Huawei | * revised |  | * S5-195708 |
| * S5-195377 | * Rel-16 CR TS 28.552 Modify the definition of Round-trip GTP Data Packet Delay | * Huawei | * merged |  | * S5-195691 |
| * S5-195378 | * Rel-16 CR TS 28.552 Add Packet Drop Rate related measurements | * Huawei | * not pursued |  | * - |
| * S5-195379 | * Rel-16 CR TS 28.554 Add definition of integrated downlink latency in RAN | * Huawei | * revised |  | * S5-195710 |
| * S5-195380 | * S5-195380 Rel-16 CR TS 28.554 Add analytical KPI of user data suppression level | * Huawei | * not pursued |  |  |
| * S5-195381 | * Rel-16 CR TS 28.554 Add Analytical KPI of Traffic Load Level | * Huawei | * not pursued |  |  |
| * S5-195382 | * Rel 15 CR TS 28.530 NST Definition | * Samsung R&D Institute UK | * merged |  | * S5-195639 |
| * S5-195383 | * Add Automatic CSI to NSI mapping use case | * China Mobile E-Commerce Co. | * noted |  |  |
| * S5-195384 | * Rel-16 pCR 28.805 Solution for management aspects of NSI utilized by multiple communication services | * Samsung R&D Institute UK | * revised |  | * S5-195837 |
| * S5-195385 | * Rel-16 pCR 28.812 Intent for CSI deployemnt at the edge | * Samsung R&D Institute UK | * revised |  | * S5-195682 |
| * S5-195386 | * Add NSI performance threshold monitoring service | * China Mobile E-Commerce Co. | * revised |  | * S5-195687 |
| * S5-195387 | * Add NSSI performance threshold monitoring service | * China Mobile E-Commerce Co. | * revised |  | * S5-195688 |
| * S5-195388 | * Add a new KPI definition of Inter-gNB handover Execution time of one single network slice | * China Mobile E-Commerce Co. | * revised |  | * S5-195732 |
| * S5-195389 | * Add missing NR cell and freq relation | * Ericsson Inc. | * withdrawn |  |  |
| * S5-195390 | * Add YANG mount info v2 | * Ericsson Inc. | * revised |  | * S5-195746 |
| * S5-195391 | * Add a new KPI definition of PDU session EstablishmentTime of one single network slice | * China Mobile E-Commerce Co. | * revised |  | * S5-195733 |
| * S5-195392 | * Add YANG solution | * Ericsson Inc. | * withdrawn |  |  |
| * S5-195393 | * Correct slice NRM | * Ericsson Inc. | * withdrawn |  |  |
| * S5-195394 | * Add a descripment of Inter-gNB handover Execution time measurement | * China Mobile E-Commerce Co. | * revised |  | * S5-195711 |
| * S5-195395 | * Correct use of Proxy | * Ericsson Inc. | * revised |  | * S5-195515 |
| * S5-195396 | * Rel-16 CR TS 28.532 Add RESTful HTTP-based solution set of file-based performance assurance for integration with ONAP VES | * Huawei | * not pursued |  |  |
| * S5-195397 | * Discussion on Netconf-based solution for provisioning MnS | * Huawei | * revised |  | * S5-195803 |
| * S5-195398 | * Rel-16 CR TS 28.532 Add Netconf-based solution set for provisioning services | * Huawei | * not pursued |  |  |
| * S5-195399 | * Remove pLMNId from GNBDUFunction | * Ericsson Inc. | * withdrawn |  |  |
| * S5-195400 | * Add a descripment of PDU session establishment time measurement | * China Mobile E-Commerce Co. | * revised |  | * S5-195734 |
| * S5-195401 | * Add use case management of a satellite enabled 3GPP network as a roaming network for terrestrial network operators | * TNO | * revised |  | * S5-195867 |
| * S5-195402 | * Discussion on SLA management aspect | * China Mobile E-Commerce Co. | * withdrawn |  |  |
| * S5-195403 | * Correct definitions of granularity period | * Ericsson Inc. | * revised |  | * S5-195897 |
| * S5-195404 | * Add use case of management of 3GPP network with a satellite access network and a terrestrial access network | * TNO | * revised |  | * S5-195868 |
| * S5-195405 | * Add IDL XML YANG solution | * Ericsson Inc. | * withdrawn |  |  |
| * S5-195406 | * Add YANG mount info v2 | * Ericsson Inc. | * revised |  | * S5-195747 |
| * S5-195407 | * study on management aspects of 5G Service-Level Agreement | * China Mobile E-Commerce Co. | * revised |  | * S5-195636 |
| * S5-195408 | * Add YANG solution v2 | * Ericsson Inc. | * agreed |  |  |
| * S5-195409 | * Correct slice NRM | * Ericsson Inc. | * not pursued |  |  |
| * S5-195410 | * Discussion on SLA management aspect | * China Mobile E-Commerce Co. | * noted |  |  |
| * S5-195411 | * Remove pLMNId from GNBDUFunction | * Ericsson Inc. | * not pursued |  |  |
| * S5-195412 | * To syn up with v1540 stage 2 | * Ericsson Inc. | * not pursued |  | * - |
| * S5-195413 | * Clarify optional configurable PM support | * Ericsson Inc. | * not pursued |  |  |
| * S5-195414 | * TD Voice quality Discussion paper | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195869 |
| * S5-195415 | * Add measurements related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195870 |
| * S5-195416 | * Add new KPI related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195871 |
| * S5-195417 | * Add measurements related to extended QCI1 Retainability monitoring | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195936 |
| * S5-195418 | * Add new specification requirement related to extended QCI1 Retainability monitoring | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195950 |
| * S5-195419 | * Rel15 generate JSON definition for generic NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * revised | * S5-194467 | * S5-195683 |
| * S5-195420 | * Rel15 generate JSON definition for NR NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * revised | * S5-194468 | * S5-195684 |
| * S5-195421 | * Rel15 generate JSON definition for Network Slice NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * revised | * S5-194469 | * S5-195685 |
| * S5-195422 | * Rel15 generate JSON definition for 5GC NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195692 |
| * S5-195423 | * Rel15 Fix NR NRM to add missed ID info | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195693 |
| * S5-195424 | * Rel16 generate JSON definition for generic NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195694 |
| * S5-195425 | * Rel16 generate JSON definition for 5G NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195695 |
| * S5-195426 | * Rel16 Fix NR NRM to add missed ID info | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195774 |
| * S5-195427 | * Rel16 Update 5GC Information Service to align with Managed Service Definition | * Nokia, Nokia Shanghai Bell | * agreed | * S5-193399 |  |
| * S5-195428 | * Rel16 Support NF Profile management | * Nokia, Nokia Shanghai Bell | * withdrawn | * S5-194457 |  |
| * S5-195429 | * TD General GST to 3GPP NRM mapping | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195781 |
| * S5-195430 | * TD GST QoS to 3GPP NRM mapping | * Nokia, Nokia Shanghai Bell | * endorsed |  |  |
| * S5-195431 | * TD P-NEST to 3GPP NRM mapping | * Nokia, Nokia Shanghai Bell | * noted |  |  |
| * S5-195432 | * TD Service Profile to slice profile mapping | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195782 |
| * S5-195433 | * LS reply from 3GPP SA5 to GSMA for GST | * Nokia, Nokia Shanghai Bell | * approved |  |  |
| * S5-195434 | * Correct PMControl v2 | * Ericsson Inc. | * revised |  | * S5-195673 |
| * S5-195435 | * Add IDL XML YANG solution | * Ericsson Inc. | * agreed |  |  |
| * S5-195436 | * pCR 28.861 addition of multi-domain/layer/technology orchestration automation use case and requirement | * ETRI | * noted |  |  |
| * S5-195437 | * Potential solution for cross-slice network resource optimization | * KPN N.V. | * revised |  | * S5-195889 |
| * S5-195438 | * Potential requirements for cross-slice network resource optimization | * KPN N.V. | * revised |  | * S5-195887 |
| * S5-195439 | * pCR 28.806 - add Use Case of collecting subscriber and equipment trace data | * Nokia, Intel, AT&T | * approved |  |  |
| * S5-195440 | * pCR 28.806 - Clarification of the solution interactions | * Nokia, Intel, AT&T | * approved |  |  |
| * S5-195441 | * pCR 28.806 - Correction of the solution deployment example | * Nokia, Intel, AT&T | * approved |  |  |
| * S5-195442 | * pCR 28.806 - Add new solution deployment example | * Nokia, Intel, AT&T | * approved |  |  |
| * S5-195443 | * pCR 28.806 - Add content of the conclusions clause | * Nokia, Intel, AT&T | * revised |  | * S5-195878 |
| * S5-195444 | * pCR 28.806 - Add content of the recommendations clause | * Nokia, Intel, AT&T | * merged |  | * S5-195878 |
| * S5-195445 | * pCR 28.806 - Editorial clean-up | * Nokia | * revised |  | * S5-195879 |
| * S5-195446 | * Add use case and definitions of DL user plane packet delay measurement from UPF to UE | * ETRI | * merged |  | * S5-195698 |
| * S5-195447 | * Add use case and definitions of UL user plane packet delay measurement from UE to UPF | * ETRI | * not pursued |  |  |
| * S5-195448 | * Discussion paper around NR beam representation | * Ericsson Hungary Ltd | * noted |  |  |
| * S5-195449 | * Rel-15 CR TS 28.541 Align XML Solution Set for 5GC | * Huawei Tech.(UK) Co., Ltd | * revised |  | * S5-195634 |
| * S5-195450 | * pCR 28.861 Add Use Case and Requirements for ANR Management | * Ericsson France S.A.S, Intel | * revised |  | * S5-195670 |
| * S5-195451 | * Rel-16 CR TS 28.541 XML Solution Set for 5GC | * CMCC, Huawei | * revised |  | * S5-195635 |
| * S5-195452 | * pCR 28.861 Solution for ANR Management | * Ericsson France S.A.S | * revised |  | * S5-195672 |
| * S5-195453 | * Rel-16 pCR 32.845 Update to Use Case 1.4 to address non-performance related attributes | * Openet Telecom | * revised |  | * S5-195611 |
| * S5-195454 | * pCR 28.861 Evaluation of ANR management | * Ericsson France S.A.S | * merged |  | * S5-195894 |
| * S5-195455 | * Rel-16 pCR 32.845 Add new potential charging requirements for Topic 1 | * Openet Telecom | * revised |  | * S5-195612 |
| * S5-195456 | * Rel-16 pCR 32.845 Add new potential charging requirement for Topic 2 | * Openet Telecom | * revised |  | * S5-195610 |
| * S5-195457 | * pCR 28.861 Beam optimization in CCO | * Ericsson France S.A.S | * revised |  | * S5-195890 |
| * S5-195458 | * Reference architecture for the management of satellite components | * THALES | * revised |  | * S5-195872 |
| * S5-195459 | * Use case management of Non-Geostationary regenerative satellite components | * THALES | * revised |  | * S5-195873 |
| * S5-195460 | * Use case monitoring of performances of NGSO component with gnB split | * THALES | * revised |  | * S5-195874 |
| * S5-195461 | * Use case monitoring of average delay on DL-Air Interface for a satellite RAT | * THALES | * revised |  | * S5-195876 |
| * S5-195462 | * Solution for NSI Management with satellite components | * THALES | * noted |  |  |
| * S5-195463 | * Management of Core Network SON | * Ericsson France S.A.S | * revised |  | * S5-195891 |
| * S5-195464 | * Rel-16 CR 32.255 Correction of AF Charging Identifier naming | * Ericsson | * revised |  | * S5-195802 |
| * S5-195465 | * Rel-16 CR 32.291 Correction of AF Charging Identifier naming | * Ericsson | * revised |  | * S5-195815 |
| * S5-195466 | * Rel-16 pCR 32.845 New key issue for Topic 1 - Template Based Charging | * Openet Telecom | * revised |  | * S5-195613 |
| * S5-195467 | * Rel-16 CR 32.298 Correction of AF Charging Identifier naming | * Ericsson | * revised |  | * S5-195816 |
| * S5-195468 | * Rel-16 pCR 32.845 Updates to address Template Based Charging | * Openet Telecom | * revised |  | * S5-195614 |
| * S5-195469 | * Correction of NR to NCR and Remove not needed abbreviations | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195470 | * Remove not used reference and add reference instead of abbreviation | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195471 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  | * - |
| * S5-195472 | * Correct NR definition to avoid misalignment with RAN2 and add NRM definition | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195473 | * Dr | * CCSA | * withdrawn |  |  |
| * S5-195474 | * Correct definition of NR to align with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195475 | * Correct references and add reference to TR21.905 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195476 | * New WID on levels of autonomous network | * China Mobile, Huawei, ZTE | * revised |  | * S5-195626 |
| * S5-195477 | * Correct references and add definition of NRM | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195478 | * Correct NR definition to avoid misalignment with RAN2 and add NRM definition | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195479 | * Remove NR with wrong definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195480 | * Remove not used abbreviation to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195481 | * draft Reply LS on User Data Congestion Analytics | * HuaWei Technologies Co., Ltd | * revised |  | * S5-195623 |
| * S5-195482 | * Remove wrong definition of NR as abbreviation to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195483 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195484 | * Rel-16 pCR 32.845 Solution for Communication Service using Network Slice | * Ericsson | * revised |  | * S5-195608 |
| * S5-195485 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195486 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195487 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195488 | * Correction of NR definition to avoid misalignment with SA2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195489 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195490 | * Correction of NR definition to avoid misalignment with RAN2 in 32.690 | * Ericsson Telecomunicazioni SpA | * withdrawn |  |  |
| * S5-195491 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195492 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195493 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195494 | * Correct references and remove not need abbreviations | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195495 | * Correct references and remove not need abbreviations | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195496 | * pCR 28.812 Update the intent translation | * Ericsson Telecomunicazioni SpA | * revised |  | * S5-195855 |
| * S5-195497 | * pCR 28.812 Actors roles and management | * Ericsson Telecomunicazioni SpA | * revised |  | * S5-195857 |
| * S5-195498 | * pCR 28.812 Correction of terminology IDM and IDMS | * Ericsson Telecomunicazioni SpA | * approved |  |  |
| * S5-195499 | * pCR 28.812 Scenarios for Intent driven management services for mobile network | * Ericsson Telecomunicazioni SpA | * revised |  | * S5-195875 |
| * S5-195500 | * pCR 28.812 Add definitions and abbreviations | * Ericsson Telecomunicazioni SpA | * revised |  | * S5-195856 |
| * S5-195501 | * Rel-16 pCR 32.845 New topic 2 use case NSaaS | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195609 |
| * S5-195502 | * DP on Non-file-based trace data encoding | * Ericsson | * endorsed |  |  |
| * S5-195503 | * pCR 28.806 - Add more choices for non-file-based trace data encoding | * Ericsson | * revised |  | * S5-195880 |
| * S5-195504 | * pCR R16 28.308-010 Add DASH and MTSI to Scope | * Ericsson | * approved |  |  |
| * S5-195505 | * pCR R16 28.308-010 Add missing abbreviations | * Ericsson | * withdrawn |  |  |
| * S5-195506 | * pCR R16 28.308-010 Add QMCJob | * Ericsson | * approved |  |  |
| * S5-195507 | * pCR R16 28.404-110 Streaming indication and simultaneous QMCs | * Ericsson | * approved |  |  |
| * S5-195508 | * pCR R16 28.405-060 Signalling based activation in UTRAN | * Ericsson | * withdrawn |  |  |
| * S5-195509 | * Add missing (NR) cell and frequency relation | * Ericsson Inc.,Huawei | * agreed | * S5-193529 |  |
| * S5-195510 | * pCR 32.160 Add JSON schema mapping rules | * Nokia, Nokia Shanghai Bell | * approved |  |  |
| * S5-195511 | * pCR R16 28.405-070 Forced deactivation | * Ericsson GmbH, Eurolab | * approved |  |  |
| * S5-195512 | * Add YANG solution | * Ericsson-LG Co., LTD | * revised | * S5-194523 | * S5-195749 |
| * S5-195513 | * Enhancements to 32.158 | * Nokia, Nokia Shanghai Bell | * noted |  |  |
| * S5-195514 | * Correct UML diagram and role-attribute of slice NRM | * Ericsson Inc. Huawei | * agreed | * S5-193438 |  |
| * S5-195515 | * Correct use of Proxy | * Ericsson Inc. | * withdrawn | * S5-195395 |  |
| * S5-195516 | * Correct use of Proxy class | * Ericsson Inc. | * agreed | * S5-193447 |  |
| * S5-195517 | * Rel-15 CR 28.541 Remove pLMNId from GNBDUFunction | * Ericsson Limited | * agreed | * S5-194283 |  |
| * S5-195518 | * Add RP attribute and disambiguate the delivery method attributes | * Ericsson Inc. | * revised | * S5-193440 | * S5-195674 |
| * S5-195519 | * CR Rel-15 28.533 Remove MnS query | * Ericsson India Private Limited | * not pursued |  | * - |
| * S5-195520 | * CR Rel-16 28.533 Remove MnS query | * Ericsson India Private Limited | * revised |  | * S5-195777 |
| * S5-195521 | * CR Rel-15 28.541 Correct ETSI NFV reference | * Ericsson India Private Limited | * agreed |  |  |
| * S5-195522 | * CR Rel-16 28.541 Correct ETSI NFV reference | * Ericsson India Private Limited | * agreed |  |  |
| * S5-195523 | * pCR 28.805 Extend management model to include slicing scenarios | * Ericsson India Private Limited | * revised |  | * S5-195832 |
| * S5-195524 | * pCR 28.805 Update CSMF functionalities figure | * Ericsson India Private Limited | * merged |  | * S5-195833 |
| * S5-195525 | * Presentation of TS 32.160 for approval to SA#85 | * Ericsson India Private Limited | * approved |  |  |
| * S5-195526 | * CR Rel-15 28.531 Remove NSST and update related text | * Ericsson India Private Limited | * revised |  | * S5-195642 |
| * S5-195527 | * CR Rel-16 28.531 Remove NSST and update related text | * Ericsson India Private Limited | * revised |  | * S5-195643 |
| * S5-195528 | * pCR 28.805 Proposal for conclusions and recommendations | * Ericsson India Private Limited | * revised |  | * S5-195839 |
| * S5-195529 | * Add IDL XML YANG solution | * Ericsson-LG Co., LTD | * agreed | * S5-194391 |  |
| * S5-195530 | * New WID on Closed loop SLS assurance | * Ericsson India Private Limited | * revised |  | * S5-195627 |
| * S5-195531 | * Presentation of TR 28.805 for approval to SA#85 | * Ericsson India Private Limited | * approved |  |  |
| * S5-195532 | * pCR 28.805 Solution for providing CSI management capability | * Ericsson India Private Limited | * revised |  | * S5-195841 |
| * S5-195533 | * pCR 28.805 Replace SLA with SLS | * Ericsson India Private Limited | * revised |  | * S5-195842 |
| * S5-195534 | * pCR 28.805 Proposed solutions for Editors notes | * Ericsson India Private Limited,Deutsche Telekom | * approved |  |  |
| * S5-195535 | * Rel-15 CR 28623 v1520 Add Generic NRM IRP solution sets | * Ericsson-LG Co., LTD | * withdrawn | * S5-194391 |  |
| * S5-195536 | * CR 28.530 - Fix inconsistencies related to service requirements | * Nokia | * revised |  | * S5-195639 |
| * S5-195537 | * YANG style guide additions | * Ericsson Inc. | * revised |  | * S5-195851 |
| * S5-195538 | * Rel-15 CR TS 28.541 Add NRM Info Model definitions for beam managed object class | * Pivotal Commware, ZTE, Intel, P.I. Works, China Mobile, Verizon, BT, AT&T, Cisco | * revised | * S5-194473 | * S5-195850 |
| * S5-195539 | * CR 28.531 - Fix inconsistencies related to service requirements | * Nokia | * merged |  | * S5-195642 |
| * S5-195540 | * CR 28.531 - Fix inconsistencies related to service requirements | * Nokia | * merged |  | * S5-195643 |
| * S5-195541 | * Correction of NR definition to avoid misalignment with RAN2 in 32.690 | * Ericsson Telecomunicazioni SpA | * agreed |  |  |
| * S5-195542 | * Correct granularity period defn | * Ericsson Inc. | * revised |  | * S5-195898 |
| * S5-195543 | * Correct Import table | * Ericsson Inc. | * withdrawn |  |  |
| * S5-195544 | * Correct Import table | * Ericsson Inc. | * withdrawn |  |  |
| * S5-195545 | * Correct conditional mandatory qualifications for SectorEquipmentFunction | * Ericsson Inc. | * withdrawn |  |  |
| * S5-195546 | * LS from NGMN to SA5 on Network Management and Orchestration Requirements for 5G | * NGMN | * noted |  |  |
| * S5-195547 | * Sequence proposal for study on management aspects of communication services | * Ericsson India Private Limited | * noted |  |  |
| * S5-195548 | * Rel-15 CR 28.532 Remove subscriptionId from notifyMOICreation input parameters | * Orange | * merged |  | * S5-195645 |
| * S5-195549 | * Rel-16 CR 28.532 Remove subscriptionId from notifyMOICreation input parameters | * Orange | * merged |  | * S5-195646 |
| * S5-195550 | * TSG CT report to SA#84 plenary | * Ericsson LM | * noted |  |  |
| * S5-195551 | * pCR 28.861 Update use case Multi-Aspect Resource Optimization | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195896 |
| * S5-195552 | * Discussion paper on energy saving configuration related use cases | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195918 |
| * S5-195553 | * Discussion paper on neighbor relationship indication use case for TR 28.861 | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195917 |
| * S5-195554 | * Discussion paper on neighbor relationship black & white list configuration related use cases for TR 28.861 | * Nokia, Nokia Shanghai Bell | * noted |  |  |
| * S5-195555 | * Presentation of TR 28.806 to SA for Information and Approval | * Nokia | * approved |  |  |
| * S5-195556 | * New WID on Non-file-based trace reporting | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195628 |
| * S5-195557 | * Discussion on MDAS | * Intel, NEC, ZTE, TMO, AT&T, China Telecom, China Mobile, Verizon, Deutsche Telekom AG, P.I. Works | * revised |  | * S5-195630 |
| * S5-195558 | * New SID Study on Management Data Analytics Service | * Intel, NEC, ZTE, TMO, AT&T, China Telecom, China Mobile, Verizon UK Ltd, Deutsche Telekom AG, P.I. Works | * revised |  | * S5-195631 |
| * S5-195559 | * Document sequence for 6.1 OAM&P Opening Session | * OAM&P SWG chair | * noted |  |  |
| * S5-195560 | * Document sequence for 6.2 New OAM&P Work Item proposals | * OAM&P SWG chair | * noted |  | * - |
| * S5-195561 | * Document sequence for 6.3 OAM&P Maintenance and Rel-16 small Enhancements | * OAM&P SWG chair | * noted |  |  |
| * S5-195562 | * Rel16 generate JSON definition for Network Slice NRM based on new style guideline | * Nokia Solutions & Networks (I) | * revised |  | * S5-195705 |
| * S5-195563 | * Rel16 generate JSON definition for NR NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-195706 |
| * S5-195564 | * Sequence proposal for 6.4.5 | * HuaWei Technologies Co., Ltd | * noted |  |  |
| * S5-195565 | * Tdoc discussion sequence | * Huawei Technologies Co. Ltd. | * noted |  |  |
| * S5-195566 | * Possible solutions for configurable subscriptions | * Nokia, Nokia Shanghai Bell | * noted |  |  |
| * S5-195567 | * LS from SA4 cc SA5 on TS 26.501 5G Media Streaming (5GMS); General description and architecture (S4h190837/S2-1906842) | * S4-191003 | * noted | * - | * - |
| * S5-195568 | * TDoc sequence proposal for the OA&M CR session | * WG Vice Chair (Orange) | * noted | * - | * - |
| * S5-195569 | * Reply to: Resubmitted LS from GSMA to SA2 and SA5 on VoWiFi – VoLTE handover | * Ericsson | * noted | * - | * - |
| * S5-195570 | * Reply to: Resubmitted LS from ETSI TC LI to SA5 on 5G Cell ID(s) in the 3GPP SA5 billing system | * Nokia | * approved | * - | * - |
| * S5-195571 | * New WID on Charging aspects of Enhancing Topology of SMF and UPF in 5G Networks | * China Mobile Com. Corporation | * agreed | * S5-195103 | * - |
| * S5-195572 | * New WID on Network Slice Charging in 5G System | * Huawei | * agreed | * S5-195361 | * - |
| * S5-195573 | * Rel-16 CR 32.255 Clarification on RAT Type change | * Huawei | * agreed | * S5-195328 | * - |
| * S5-195574 | * Rel-16 CR 32.254 Update of NEF API Charging Information | * Ericsson | * agreed | * S5-195249 | * - |
| * S5-195575 | * Rel-16 CR 32.254 Addition of detailed message format for converged charging | * Ericsson | * agreed | * S5-195251 | * - |
| * S5-195576 | * Rel-16 CR 32.290 Introduce event offline scenario | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195063 | * - |
| * S5-195577 | * Rel-15 CR 32.290 event based charging mechanism | * Huawei | * agreed | * S5-195316 | * - |
| * S5-195578 | * Rel-16 CR 32.290 event based charging mechanism | * Huawei | * agreed | * S5-195351 | * - |
| * S5-195579 | * Rel-15 CR 32.291 event based charging mechanism | * Huawei | * agreed | * S5-195317 | * - |
| * S5-195580 | * Rel-16 CR 32.291 event based charging mechanism | * Huawei | * agreed | * S5-195352 | * - |
| * S5-195581 | * Rel-16 CR 32.297 Introduce AMF and Rel-16 | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195066 | * - |
| * S5-195582 | * LS to SA2 Introduction of CHF Address from PCF | * Nokia, Nokia Shanghai Bell | * approved | * - | * - |
| * S5-195583 | * Rel-16 pCR 32.256 Introduction of Location reporting charging | * Nokia, Nokia Shanghai Bell | * approved | * S5-195135 | * - |
| * S5-195584 | * Rel-16 pCR 32.256 AMF Charging profile and Charging Characteristics | * Nokia, Nokia Shanghai Bell | * approved | * S5-195138 | * - |
| * S5-195585 | * Rel-16 pCR 32.256 Introduction of Presence Reporting Area (PRA) | * Nokia, Nokia Shanghai Bell | * approved | * S5-195139 | * - |
| * S5-195586 | * Revised WID Charging AMF in 5G System Architecture Phase 1 | * Nokia, Nokia Shanghai Bell | * noted | * - | * - |
| * S5-195587 | * Rel-16 CR 32.275 Addition of converged charging architecture | * Ericsson | * agreed | * S5-195253 | * - |
| * S5-195588 | * Rel-16 CR 32.275 Addition of converged charging scenarios | * Ericsson | * agreed | * S5-195254 | * - |
| * S5-195589 | * Rel-16 CR 32.275 Addition of applicable Triggers for converged charging | * Ericsson | * agreed | * S5-195255 | * - |
| * S5-195590 | * Rel-16 CR 32.275 Addition of converged charging CDR handling | * Ericsson | * agreed | * S5-195257 | * - |
| * S5-195591 | * Rel-16 CR 32.281 Addition of converged charging architecture | * Ericsson | * agreed | * S5-195258 | * - |
| * S5-195592 | * Rel-16 CR 32.290 Introduce AMF as a new NF consumer | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195131 | * - |
| * S5-195593 | * Rel-15 CR 32.290 Introduce event offline scenario | * Nokia, Nokia Shanghai Bell | * agreed | * - | * - |
| * S5-195594 | * Rel-16 CR 32.281 Addition of converged charging basic principles | * Ericsson | * agreed | * S5-195259 | * - |
| * S5-195595 | * Rel-16 CR 32.281 Addition of converged charging flows | * Ericsson | * not pursued | * S5-195260 | * - |
| * S5-195596 | * Rel-16 CR 32.281 Addition of converged charging information principles | * Ericsson | * agreed | * S5-195261 | * - |
| * S5-195597 | * Rel-16 CR 32.260 IMS converged charging architecture introducation. | * Huawei | * not pursued | * S5-195326 | * - |
| * S5-195598 | * Rel-16 pCR 32.845 Solve Editor's note on Business Roles | * Nokia, Nokia Shanghai Bell | * approved | * S5-195142 | * - |
| * S5-195599 | * Rel-16 pCR 32.845 Use of MnS for performance data and architecture implications | * Nokia, Nokia Shanghai Bell | * approved | * S5-195143 | * - |
| * S5-195600 | * Rel-16 pCR 32.845 Use of MnS by NWDAF for performance data | * Nokia, Nokia Shanghai Bell | * approved | * S5-195144 | * - |
| * S5-195601 | * Rel-16 pCR 32.845 Use of NWDAF for Load - evaluation | * Nokia, Nokia Shanghai Bell | * approved | * S5-195145 | * - |
| * S5-195602 | * Rel-16 pCR 32.845 Solutions evaluation for Key issue #1.1 | * Nokia, Nokia Shanghai Bell | * approved | * S5-195147 | * - |
| * S5-195603 | * Rel-16 pCR TR 32.845 Conclusion on event based charging | * Huawei | * noted | * - | * - |
| * S5-195604 | * Rel-16 pCR 32.845 Introduce flows for NSI Operations | * Nokia, Nokia Shanghai Bell | * approved | * S5-195146 | * - |
| * S5-195605 | * Rel-16 pCR 32.845 New topic 2 use cases - shared and private NSI | * Nokia, Nokia Shanghai Bell | * approved | * S5-195148 | * - |
| * S5-195606 | * Rel-16 pCR 32.845 Solution #2.1 - evaluation | * Nokia, Nokia Shanghai Bell | * approved | * S5-195149 | * - |
| * S5-195607 | * Rel-16 pCR 32.845 New Solution for Key issue #2.1 | * Nokia, Nokia Shanghai Bell | * approved | * S5-195150 | * - |
| * S5-195608 | * Rel-16 pCR 32.845 Solution for Communication Service using Network Slice | * Ericsson | * approved | * S5-195484 | * - |
| * S5-195609 | * Rel-16 pCR 32.845 New topic 2 use case NSaaS | * Nokia, Nokia Shanghai Bell | * approved | * S5-195501 | * - |
| * S5-195610 | * Rel-16 pCR 32.845 Add new potential charging requirement for Topic 2 | * Openet Telecom | * approved | * S5-195456 | * - |
| * S5-195611 | * Rel-16 pCR 32.845 Update to Use Case 1.4 to address non-performance related attributes | * Openet Telecom | * approved | * S5-195453 | * - |
| * S5-195612 | * Rel-16 pCR 32.845 Add new potential charging requirements for Topic 1 | * Openet Telecom | * approved | * S5-195455 | * - |
| * S5-195613 | * Rel-16 pCR 32.845 New key issue for Topic 1 - Template Based Charging | * Openet Telecom | * approved | * S5-195466 | * - |
| * S5-195614 | * Rel-16 pCR 32.845 Updates to address Template Based Charging | * Openet Telecom | * approved | * S5-195468 | * - |
| * S5-195615 | * Rel-16 pCR TR 32.845 New topic about Business to Business to X | * Huawei | * approved | * S5-195363 | * - |
| * S5-195616 | * Topic 1 - conclusion | * Huawei | * noted | * - | * - |
| * S5-195617 | * Topic 2 - conclusion | * Huawei | * noted | * - | * - |
| * S5-195618 | * Rel-15 CR 32.290 correction of failure handling | * Huawei, China Mobile | * agreed | * S5-195314 | * - |
| * S5-195619 | * Time Plan for OAM&P | * WG Vice Chair (Huawei) | * noted | * S5-195012 | * - |
| * S5-195620 | * Tdoc sequence | * Intel | * revised | * - | * S5-195668 |
| * S5-195621 | * Discussion sequence | * Intel | * revised | * - | * S5-195629 |
| * S5-195622 | * Reply to: Resubmitted LS from RAN3 to SA5 on OAM requirements for RIM | * Nokia | * approved | * - | * - |
| * S5-195623 | * Reply LS on User Data Congestion Analytics | * HuaWei Technologies Co., Ltd | * approved | * S5-195481 | * - |
| * S5-195624 | * Document sequence for 6.2 New OAM&P Work Item proposals | * OAM&P SWG chair | * withdrawn | * - | * - |
| * S5-195625 | * Mapping between GST attributes and ServiceProfile IOC attributes | * Orange, Nokia, Huawei | * noted | * S5-195080 | * - |
| * S5-195626 | * New WID on levels of autonomous network | * China Mobile, Huawei, ZTE | * revised | * S5-195476 | * S5-195900 |
| * S5-195627 | * New WID on Closed loop SLS assurance | * Ericsson India Private Limited, Deutsche Telekom | * agreed | * S5-195530 | * - |
| * S5-195628 | * New WID on Streaming trace reporting | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195556 | * - |
| * S5-195629 | * Discussion sequence | * Intel | * noted | * S5-195621 | * - |
| * S5-195630 | * Discussion on MDAS | * Intel, NEC, Deutsche Telekom AG, HUAWEI, ZTE, TNO, AT&T, China Telecom, China Mobile, Verizon UK Ltd, P.I. Works | * endorsed | * S5-195557 | * - |
| * S5-195631 | * New SID Study on Management Data Analytics Service | * Intel, NEC, Deutsche Telekom AG, HUAWEI, ZTE, T-Mobile, AT&T, China Telecom, China Mobile, Verizon UK Ltd, China Unicom, P.I. Works, ETRI,Ericsson,Nokia | * agreed | * S5-195558 | * - |
| * S5-195632 | * New WID on Self-Organizing Networks (SON) for 5G networks | * Intel Corporation (UK) Ltd | * revised | * S5-195076 | * S5-195899 |
| * S5-195633 | * new SID on study on KPI reporting | * ZTE, China Telecom, Intel | * agreed | * S5-195197 | * - |
| * S5-195634 | * Rel-15 CR TS 28.541 Align XML Solution Set for 5GC | * Huawei Tech.(UK) Co., Ltd | * agreed | * S5-195449 | * - |
| * S5-195635 | * Rel-16 CR TS 28.541 XML Solution Set for 5GC | * CMCC, Huawei | * agreed | * S5-195451 | * - |
| * S5-195636 | * study on management aspects of 5G Service-Level Agreement | * China Mobile E-Commerce Co. | * revised | * S5-195407 | * S5-195943 |
| * S5-195637 | * New WID on enhancement of 3GPP management system for multiple tenant envorinment support | * Huawei | * revised | * S5-195225 | * S5-195942 |
| * S5-195638 | * New WID on management aspects of edge computing | * Intel Corporation (UK) Ltd | * noted | * S5-195075 | * - |
| * S5-195639 | * CR 28.530 - Fix inconsistencies related to service requirements | * Nokia,Samsung | * agreed | * S5-195536 | * - |
| * S5-195640 | * Rel-15 CR TS 28.531 Add the identifier description | * Huawei | * agreed | * S5-195290 | * - |
| * S5-195641 | * Rel-16 CR TS 28.531 Add the identifier description | * Huawei | * agreed | * S5-195122 | * - |
| * S5-195642 | * CR Rel-15 28.531 Remove NSST and update related text | * Ericsson India Private Limited,Nokia,Deutsche Telekom | * agreed | * S5-195526 | * - |
| * S5-195643 | * CR Rel-16 28.531 Remove NSST and update related text | * Ericsson India Private Limited,Nokia,Deutsche Telekom | * agreed | * S5-195527 | * - |
| * S5-195644 | * Rel-16 CR 28.531 Add informative annex to describe a network slice journey | * Orange, Nokia, Huawei | * agreed | * S5-195077 | * - |
| * S5-195645 | * Rel-15 CR 28.532 Global reorganization plus correcting operation names and wrong references | * AT&T, Huawei, Orange | * agreed | * S5-195129 | * - |
| * S5-195646 | * Rel-16 CR 28.532 Global reorganization plus correcting operation names and wrong references | * AT&T, Huawei, Orange | * agreed | * S5-195130 | * - |
| * S5-195647 | * Rel-15 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * revised | * S5-195109 | * S5-195906 |
| * S5-195648 | * Rel-16 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * revised | * S5-195110 | * S5-195907 |
| * S5-195649 | * Rel-16 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework | * Huawei | * revised | * S5-195112 | * S5-195945 |
| * S5-195650 | * Rel-15 CR TS 28.533 Add deployment scenario | * Huawei | * revised | * S5-195119 | * S5-195908 |
| * S5-195651 | * Rel-16 CR TS 28.533 Add deployment scenario | * Huawei | * revised | * S5-195120 | * S5-195909 |
| * S5-195652 | * Sequence proposal | * Ericsson | * noted | * - | * - |
| * S5-195653 | * Sequence proposal | * AT&T | * noted | * - | * - |
| * S5-195654 | * TDoc sequence proposal | * Orange | * noted | * - | * - |
| * S5-195655 | * Draft TS 28.404 | * Ericsson | * approved | * - | * - |
| * S5-195656 | * Presentation of TS 28.404 for Approval to SA#85 | * Nanjing Ericsson Panda Com Ltd | * approved | * S5-195098 | * - |
| * S5-195657 | * Draft TS 28.405 | * Ericsson | * approved | * - | * - |
| * S5-195658 | * Draft TS 28.308 | * Ericsson | * approved | * - | * - |
| * S5-195659 | * LS on Quality of experience measurement collection | * Ericsson | * approved | * - | * - |
| * S5-195660 | * Rel-16 CR 28.552 Add PEE measurements and related use case description | * Ericsson, Huawei, Orange | * revised | * S5-195180 | * S5-195915 |
| * S5-195661 | * Draft TS 28.310 | * Huawei | * approved | * - | * - |
| * S5-195662 | * pCR 28.310 Add definitions for supporting 5G ESM | * Huawei, Orange | * withdrawn | * - | * - |
| * S5-195663 | * pCR 28.310 Add concept of energy saving management | * Huawei, Orange | * approved | * S5-195272 | * - |
| * S5-195664 | * pCR 28.310 Update scope | * Huawei | * approved | * S5-195269 | * - |
| * S5-195665 | * pCR 28.310 Add use case of gNB overlaid | * Huawei, Orange,Intel | * approved | * S5-195273 | * - |
| * S5-195666 | * pCR 28.861 revise use cases for energy saving | * Intel Corporation (UK) Ltd | * approved | * S5-195170 | * - |
| * S5-195667 | * LS reply on energy efficiency | * Orange | * approved | * S5-195088 | * - |
| * S5-195668 | * Tdoc sequence | * Intel | * noted | * S5-195620 | * - |
| * S5-195669 | * pCR 28.861 Update the use case on ANR optimization | * Intel, Verizon, Cisco, ETRI | * approved | * S5-195166 | * - |
| * S5-195670 | * pCR 28.861 Add Use Case and Requirements for ANR Management | * Ericsson France S.A.S, Intel,Huawei | * revised | * S5-195450 | * S5-195933 |
| * S5-195671 | * pCR 28.861 Add solution for ANR optimization | * Intel, Verizon, ETRI | * approved | * S5-195167 | * - |
| * S5-195672 | * pCR 28.861 Solution for ANR Management | * Ericsson France S.A.S, Huawei | * approved | * S5-195452 | * - |
| * S5-195673 | * Correct PMControl (Add report period attribute and disambiguate the delivery method attributes) | * Ericsson Inc. | * agreed | * S5-195434 | * - |
| * S5-195674 | * Correct PMControl (Add report period attribute and disambiguate the delivery method attributes) | * Ericsson Inc. | * agreed | * S5-195518 | * - |
| * S5-195675 | * pCR 28.812 Clean-up | * Huawei | * approved | * S5-195182 | * - |
| * S5-195676 | * Draft TR 28.812 | * Huawei | * approved | * - | * - |
| * S5-195677 | * pCR 28.812 Add description for intent driven action | * Huawei | * approved | * S5-195184 | * - |
| * S5-195678 | * pCR 28.812 Add description for intent driven object | * Huawei | * withdrawn | * - | * - |
| * S5-195679 | * pCR 28.812 Update the description of the intent state transition | * Huawei | * approved | * S5-195186 | * - |
| * S5-195680 | * pCR 28.812 Add feedback in intent driven network optimization scenario | * Huawei | * approved | * S5-195187 | * - |
| * S5-195681 | * Minutes of the breakout session | * Nokia | * noted | * - | * - |
| * S5-195682 | * Rel-16 pCR 28.812 Intent for CSI deployemnt at the edge | * Samsung R&D Institute UK | * approved | * S5-195385 | * - |
| * S5-195683 | * Rel15 generate JSON definition for generic NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195419 | * - |
| * S5-195684 | * Rel15 generate JSON definition for NR NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195420 | * - |
| * S5-195685 | * Rel15 generate JSON definition for Network Slice NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195421 | * - |
| * S5-195686 | * Rel-16 CR TS 28.550 NSI and NSSI performance assurance | * Huawei,Ericsson | * agreed | * S5-195224 | * - |
| * S5-195687 | * Add use case for NSI performance threshold monitoring | * China Mobile E-Commerce Co. | * agreed | * S5-195386 | * - |
| * S5-195688 | * Add use case for NSSI performance threshold monitoring | * China Mobile E-Commerce Co. | * agreed | * S5-195387 | * - |
| * S5-195689 | * Rel-16 CR 28.552 Update and add delay related measurements for NG-RAN | * Intel | * revised | * S5-195157 | * S5-195922 |
| * S5-195690 | * Rel-16 CR 28.552 Update and add latency related measurements for NG-RAN | * Intel | * revised | * S5-195158 | * S5-195923 |
| * S5-195691 | * Rel-16 CR 28.552 Update and add measurements related to RTT N3 delay for DL data packets on UPF | * Intel, Huawei | * agreed | * S5-195160 | * - |
| * S5-195692 | * Rel15 generate JSON definition for 5GC NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195422 | * - |
| * S5-195693 | * Rel15 Fix NR NRM to add missed ID info | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195423 | * - |
| * S5-195694 | * Rel16 generate JSON definition for generic NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195424 | * - |
| * S5-195695 | * Rel16 generate JSON definition for 5G NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195425 | * - |
| * S5-195696 | * Rel-16 CR 28.552 Add measurements related to RTT N9 delay | * Intel | * revised | * S5-195161 | * S5-195924 |
| * S5-195697 | * Rel-16 CR 28.552 Add measurements related to delay within UPF | * Intel | * revised | * S5-195162 | * S5-195925 |
| * S5-195698 | * Rel-16 CR 28.552 Add measurements on RTT delay between PSA UPF and UE | * Intel,ETRI | * agreed | * S5-195165 | * - |
| * S5-195699 | * Presentation of TS 28.310 for Information to SA#85 | * Orange | * approved | * - | * - |
| * S5-195700 | * Add measurements related to DRB retainability | * Ericsson-LG Co., LTD | * agreed | * S5-195244 | * - |
| * S5-195701 | * Add Number of PDU session creation in HR roaming scenario | * ETRI | * agreed | * S5-195266 | * - |
| * S5-195702 | * Update the measurement related to Number of PDU session creation | * ETRI | * agreed | * S5-195267 | * - |
| * S5-195703 | * Add UE Configuration Update procedure related measurements | * ETRI | * agreed | * S5-195268 | * - |
| * S5-195704 | * Rel-16 CR TS 28.552 Modify PM definition for non-spit NG-RAN scenario | * Huawei | * agreed | * S5-195374 | * - |
| * S5-195705 | * Rel16 generate JSON definition for Network Slice NRM based on new style guideline | * Nokia Solutions & Networks (I) | * agreed | * S5-195562 | * - |
| * S5-195706 | * Rel16 generate JSON definition for NR NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195563 | * - |
| * S5-195707 | * Rel-16 CR TS 28.552 Modify DRB setup management related measurements | * Huawei | * agreed | * S5-195375 | * - |
| * S5-195708 | * Rel-16 CR TS 28.552 Modify PDU Sessions setup related measurements | * Huawei | * agreed | * S5-195376 | * - |
| * S5-195709 | * Rel-16 CR TS 28.552 Add Packet Drop Rate related measurements | * Huawei | * withdrawn | * - | * - |
| * S5-195710 | * Rel-16 CR TS 28.554 Add definition of integrated downlink latency in RAN | * Huawei | * agreed | * S5-195379 | * - |
| * S5-195711 | * Add a descripment of Inter-gNB handover Execution time measurement | * China Mobile E-Commerce Co. | * revised | * S5-195394 | * S5-195928 |
| * S5-195712 | * Rel-16 CR 32.290 correction of failure handling | * Huawei,China Mobile | * agreed | * S5-195349 | * - |
| * S5-195713 | * Rel-16 pCR TR 32.845 Add the solution evaluation and conclusion for performance based charging | * Huawei | * approved | * S5-195362 | * - |
| * S5-195714 | * Rel-16 pCR 32.845 Solutions evaluation and conclusion for topic 2 | * Nokia, Nokia Shanghai Bell | * approved | * S5-195152 | * - |
| * S5-195715 | * New WID on Network Slice Management Charging in 5G System | * Nokia | * revised | * - | * S5-195952 |
| * S5-195716 | * Rel-15 CR 32.290 Clarification of Retry handling | * Huawei | * agreed | * S5-195309 | * - |
| * S5-195717 | * Rel-16 CR 32.290 Clarification of Retry handling | * Huawei | * agreed | * S5-195345 | * - |
| * S5-195718 | * Rel-15 CR 32.290 Correction on response code handling | * Huawei | * agreed | * S5-195325 | * - |
| * S5-195719 | * Rel-16 CR 32.290 Correction on response code handling | * Huawei | * agreed | * S5-195360 | * - |
| * S5-195720 | * Rel-15 CR 32.290 correction of notify response | * Huawei | * not pursued | * S5-195315 | * - |
| * S5-195721 | * Rel-16 CR 32.290 correction of notify response | * Huawei | * not pursued | * S5-195350 | * - |
| * S5-195722 | * Rel-15 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes | * Ericsson | * agreed | * S5-195241 | * - |
| * S5-195723 | * Rel-16 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes | * Ericsson | * agreed | * S5-195242 | * - |
| * S5-195724 | * Rel-15 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer | * China Mobile Com. Corporation | * agreed | * S5-195070 | * - |
| * S5-195725 | * Rel-16 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer | * China Mobile Com. Corporation | * agreed | * S5-195071 | * - |
| * S5-195726 | * Rel-15 CR 32.291 Correction on OpenAPI version | * Huawei | * agreed | * - | * - |
| * S5-195727 | * Rel-16 CR 32.291 Correction on OpenAPI version | * Huawei | * agreed | * - | * - |
| * S5-195728 | * Rel-16 CR 32.291 Correction of TriggerCategory and Triggers | * China Mobile Com. Corporation | * agreed | * S5-195073 | * - |
| * S5-195729 | * Rel-15 CR 32.255 Correction of Serving Node change | * China Mobile Com. Corporation | * agreed | * S5-195097 | * - |
| * S5-195730 | * Rel-16 CR 32.255 Correction of Serving Node change | * China Mobile Com. Corporation | * agreed | * S5-195096 | * - |
| * S5-195731 | * Rel-15 CR 32.297 Correction of reference architecture in 5G | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195132 | * - |
| * S5-195732 | * Add a new KPI definition of Inter-gNB handover Execution time of one single network slice | * China Mobile E-Commerce Co. | * revised | * S5-195388 | * S5-195926 |
| * S5-195733 | * Add a new KPI definition of PDU session EstablishmentTime of one single network slice | * China Mobile E-Commerce Co. | * revised | * S5-195391 | * S5-195927 |
| * S5-195734 | * Add a descripment of PDU session establishment time measurement | * China Mobile E-Commerce Co. | * revised | * S5-195400 | * S5-195929 |
| * S5-195735 | * Rel-15 CR TS 28.541 Correct XML solution set for NR | * Huawei | * agreed | * S5-195115 | * - |
| * S5-195736 | * Rel-16 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * revised | * S5-195181 | * S5-195912 |
| * S5-195737 | * Rel-15 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * revised | * - | * S5-195913 |
| * S5-195738 | * Rel-15 CR TS 28.541 Update class definition with inheritance information | * Huawei | * revised | * S5-195104 | * S5-195901 |
| * S5-195739 | * Rel-16 CR TS 28.541 Update class definition with inheritance information | * Huawei | * revised | * S5-195105 | * S5-195902 |
| * S5-195740 | * Rel-15 CR TS 28.622 Update class definition with inheritance information | * Huawei | * revised | * S5-195106 | * S5-195903 |
| * S5-195741 | * Rel-16 CR TS 28.622 Update class definition with inheritance information | * Huawei | * revised | * S5-195107 | * S5-195904 |
| * S5-195742 | * Rel-15 CR TS 28.620 Update class definition with inheritance information | * Huawei | * revised | * S5-195108 | * S5-195905 |
| * S5-195743 | * Rel-15 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios | * Huawei | * agreed | * S5-195113 | * - |
| * S5-195744 | * Rel-16 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios | * Huawei | * agreed | * S5-195114 | * - |
| * S5-195745 | * Rel-16 CR TS 28.541 Clarification on slice model | * Huawei | * agreed | * S5-195178 | * - |
| * S5-195746 | * Add YANG mount info v2 | * Ericsson Inc. | * agreed | * S5-195390 | * - |
| * S5-195747 | * Add YANG mount info v2 | * Ericsson Inc. | * agreed | * S5-195406 | * - |
| * S5-195748 | * To syn up with v1540 stage 2 | * Ericsson Inc. | * withdrawn | * - | * - |
| * S5-195749 | * Add YANG solution | * Ericsson-LG Co., LTD | * agreed | * S5-195512 | * - |
| * S5-195750 | * Rel-15 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * revised | * S5-195192 | * S5-195910 |
| * S5-195751 | * Rel-16 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * revised | * S5-195193 | * S5-195911 |
| * S5-195752 | * Rel-15 CR 28.550 Add the missing stage 3 solutions for performance data streaming service | * Intel, Nokia | * agreed | * S5-194534 | * - |
| * S5-195753 | * Rel-16 CR 32.297 Correction of reference architecture in 5G | * Nokia, Nokia Shanghai Bell | * not pursued | * S5-195133 | * - |
| * S5-195754 | * Rel-15 CR 32.291 Correction of Report Time in QFI Container Information | * Ericsson | * agreed | * S5-195202 | * - |
| * S5-195755 | * Rel-16 CR 32.291 Correction of Report Time in QFI Container Information | * Ericsson | * agreed | * S5-195203 | * - |
| * S5-195756 | * Rel-15 CR 32.291 Correction of SubscriptionIdentificationType | * Ericsson | * agreed | * S5-195204 | * - |
| * S5-195757 | * Rel-16 CR 32.291 Correction of SubscriptionIdentificationType | * Ericsson | * agreed | * S5-195205 | * - |
| * S5-195758 | * Rel-16 CR 32.255 Correction of Termination action | * Ericsson | * agreed | * S5-195234 | * - |
| * S5-195759 | * Rel-15 CR 32.290 Correction of Multiple Quota reference | * Ericsson | * agreed | * S5-195238 | * - |
| * S5-195760 | * Rel-16 CR 32.290 Correction of Multiple Quota reference | * Ericsson | * agreed | * S5-195239 | * - |
| * S5-195761 | * Rel-15 CR 32.291 Correction of multipleQuotaInformation | * Ericsson | * agreed | * S5-195235 | * - |
| * S5-195762 | * Rel-16 CR 32.291 Correction of multipleQuotaInformation | * Ericsson | * agreed | * S5-195237 | * - |
| * S5-195763 | * Rel-15 CR 32.291 Bindings of common field correction | * Huawei | * agreed | * S5-195318 | * - |
| * S5-195764 | * Rel-16 CR 32.291 Bindings of common field correction | * Huawei | * agreed | * S5-195353 | * - |
| * S5-195765 | * Rel-15 CR 32.291 Bindings for 5G data connectivity correction | * Huawei | * agreed | * S5-195320 | * - |
| * S5-195766 | * Rel-16 CR 32.291 Bindings for 5G data connectivity correction | * Huawei | * agreed | * S5-195355 | * - |
| * S5-195767 | * Rel-15 CR 32.291 Correction of version numbering | * Ericsson | * agreed | * S5-195248 | * - |
| * S5-195768 | * Rel-16 CR 32.291 Correction of version numbering | * Ericsson | * agreed | * - | * - |
| * S5-195769 | * Rel-15 CR 32.290 Add the NF services | * Huawei | * agreed | * S5-195296 | * - |
| * S5-195770 | * Rel-16 CR 32.290 Add the NF services | * Huawei | * agreed | * S5-195332 | * - |
| * S5-195771 | * Rel-15 CR 32.290 Add the Service specification Information | * Huawei | * agreed | * S5-195298 | * - |
| * S5-195772 | * Rel-16 CR 32.290 Add the Service specification Information | * Huawei | * agreed | * S5-195334 | * - |
| * S5-195773 | * Rel-16 CR TS 28.541 Add mapping table of 3GPP ServiceProfile and GSMA GST | * Huawei | * withdrawn | * - | * - |
| * S5-195774 | * Rel16 Fix NR NRM to add missed ID info | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195426 | * - |
| * S5-195775 | * Rel-16 CR TS 28.530 Add use case MnS query and related requirement | * Huawei | * revised | * S5-195218 | * S5-195931 |
| * S5-195776 | * CR Rel-15 28.533 Remove MnS query | * Ericsson India Private Limited,Huawei | * withdrawn | * - | * - |
| * S5-195777 | * CR Rel-16 28.533 Remove MnS query | * Ericsson India Private Limited, Huawei | * not pursued | * S5-195520 | * - |
| * S5-195778 | * Rel-16 CR TS 28.533 Add management service discovery solution concept | * Huawei | * revised | * S5-195219 | * S5-195932 |
| * S5-195779 | * Rel-16 CR TS 28.532 Add stage 2 and stage 3 definition for MnSCapabilityQuery operation | * Huawei | * not pursued | * S5-195222 | * - |
| * S5-195780 | * Rel-16 CR TS 28.533 Getting management service URI for MnS discovery | * Huawei | * not pursued | * S5-195221 | * - |
| * S5-195781 | * TD General GST to 3GPP NRM mapping | * Nokia, Nokia Shanghai Bell | * endorsed | * S5-195429 | * - |
| * S5-195782 | * TD Service Profile to slice profile mapping | * Nokia, Nokia Shanghai Bell | * endorsed | * S5-195432 | * - |
| * S5-195783 | * Rel-15 CR 32.290 Correction on Trigger Mechanism | * Huawei | * agreed | * S5-195299 | * - |
| * S5-195784 | * Rel-16 CR 32.290 Correction on Trigger Mechanism | * Huawei | * agreed | * S5-195335 | * - |
| * S5-195785 | * Rel-15 CR 32.255 Add the selection model in PDU session information | * Huawei | * agreed | * S5-195306 | * - |
| * S5-195786 | * Rel-16 CR 32.255 Add the selection model in PDU session information | * Huawei | * agreed | * S5-195342 | * - |
| * S5-195787 | * Rel-15 CR 32.298 Add the selection model in PDU session information | * Huawei | * agreed | * S5-195301 | * - |
| * S5-195788 | * Rel-16 CR 32.298 Add the selection model in PDU session information | * Huawei | * agreed | * S5-195337 | * - |
| * S5-195789 | * Rel-15 CR 32.291 Add the selection model in PDU session information | * Huawei | * agreed | * S5-195303 | * - |
| * S5-195790 | * Rel-16 CR 32.291 Add the selection model in PDU session information | * Huawei | * agreed | * S5-195339 | * - |
| * S5-195791 | * Rel-15 CR 32.255 coordination of information element category | * Huawei | * agreed | * S5-195311 | * - |
| * S5-195792 | * Rel-16 CR 32.255 coordination of information element category | * Huawei | * agreed | * S5-195346 | * - |
| * S5-195793 | * Rel-15 CR 32.291 coordination of attribute Presence condition | * Huawei | * agreed | * S5-195319 | * - |
| * S5-195794 | * Rel-16 CR 32.291 coordination of attribute Presence condition | * Huawei | * agreed | * S5-195354 | * - |
| * S5-195795 | * Rel-16 CR 32.298 Correction of NetworkFunctionInformation | * Ericsson | * agreed | * S5-195201 | * - |
| * S5-195796 | * Rel-15 CR 32.291 Correction of HTTP Status Codes | * Ericsson | * agreed | * S5-195243 | * - |
| * S5-195797 | * Rel-16 CR 32.291 Correction of HTTP Status Codes | * Ericsson | * agreed | * S5-195245 | * - |
| * S5-195798 | * Rel-15 CR 32.291 correction of data structure of response body | * Huawei | * agreed | * S5-195321 | * - |
| * S5-195799 | * Rel-16 CR 32.291 correction of data structure of response body | * Huawei | * agreed | * S5-195356 | * - |
| * S5-195800 | * Rel-15 CR 32.298 Correct inconsistent CHF CDR parameter | * Huawei | * agreed | * S5-195324 | * - |
| * S5-195801 | * Rel-16 CR 32.298 Correct inconsistent CHF CDR parameter | * Huawei | * agreed | * S5-195359 | * - |
| * S5-195802 | * Rel-16 CR 32.255 Correction of AF Charging Identifier naming | * Ericsson | * agreed | * S5-195464 | * - |
| * S5-195803 | * Discussion on Netconf-based solution for provisioning MnS | * Huawei | * revised | * S5-195397 | * S5-195934 |
| * S5-195804 | * Way forward for the edge computing management study | * Intel Corporation (UK) Ltd | * noted | * S5-195265 | * - |
| * S5-195805 | * Cover sheet draft TR28.803 | * Intel | * approved | * - | * - |
| * S5-195806 | * pCR 28.804 Use cases of management capability for tenant | * Huawei | * approved | * S5-195208 | * - |
| * S5-195807 | * pCR 28.804 Add tenancy relation with CSI | * Huawei | * approved | * S5-195212 | * - |
| * S5-195808 | * pCR 28.804 EGMF in multiple tenants environment | * Huawei | * approved | * S5-195210 | * - |
| * S5-195809 | * Draft TR 28.804 | * Huawei | * approved | * - | * - |
| * S5-195810 | * pCR 28.804 Management capability of tenant | * Huawei | * approved | * S5-195211 | * - |
| * S5-195811 | * pCR 28.804 Fault supervision management to support multiple tenant environment | * Huawei | * approved | * S5-195213 | * - |
| * S5-195812 | * pCR 28.804 NF performance measurment to support multiple tenant environment | * Huawei | * approved | * S5-195214 | * - |
| * S5-195813 | * pCR 28.804 Provisioning management service enhancement to support multiple tenant environment | * Huawei | * noted | * S5-195215 | * - |
| * S5-195814 | * pCR 28.804 remove EN | * Huawei | * approved | * S5-195216 | * - |
| * S5-195815 | * Rel-16 CR 32.291 Correction of AF Charging Identifier naming | * Ericsson | * agreed | * S5-195465 | * - |
| * S5-195816 | * Rel-16 CR 32.298 Correction of AF Charging Identifier naming | * Ericsson | * agreed | * S5-195467 | * - |
| * S5-195817 | * Rel-15 CR 32.291 Corrections on OpenAPI | * Huawei | * agreed | * - | * - |
| * S5-195818 | * Rel-16 CR 32.291 Corrections on OpenAPI | * Huawei | * agreed | * - | * - |
| * S5-195819 | * Rel-15 CR 32.298 Correction of NetworkFunctionInformation | * Ericsson | * agreed | * S5-195200 | * - |
| * S5-195820 | * Draft TS 32.256 | * Nokia | * approved | * - | * - |
| * S5-195821 | * Draft TR 32.845 | * Huawei | * approved | * - | * - |
| * S5-195822 | * TS cover sheet for information TS 32.256 | * Nokia | * approved | * - | * - |
| * S5-195823 | * TR cover sheet for information TR 32.845 | * Huawei | * approved | * - | * - |
| * S5-195824 | * Revised SID on Charging Aspects of Network Slicing - update | * Huawei | * noted | * - | * - |
| * S5-195825 | * Cover sheet TR 28.861 | * Intel | * approved | * - | * - |
| * S5-195826 | * (reserved) | * Charging SWG | * withdrawn | * - | * - |
| * S5-195827 | * (reserved) | * Charging SWG | * withdrawn | * - | * - |
| * S5-195828 | * (reserved) | * Charging SWG | * withdrawn | * - | * - |
| * S5-195829 | * (reserved) | * Charging SWG | * withdrawn | * - | * - |
| * S5-195830 | * pCR 28.804 Conclusion and recommendations | * Huawei | * revised | * S5-195209 | * S5-195935 |
| * S5-195831 | * pCR 28.805 Mapping of 3GPP ServiceProfile and GSMA GST NEST | * Huawei,Ericsson | * approved | * S5-195275 | * - |
| * S5-195832 | * pCR 28.805 Extend management model to include slicing scenarios | * Ericsson India Private Limited, Deutsche Telekom | * approved | * S5-195523 | * - |
| * S5-195833 | * pCR 28.805 updates to CSMF function | * Huawei,Ericsson, Deutsche Telekom | * approved | * S5-195279 | * - |
| * S5-195834 | * pCR 28.805 Update on solution for translation of SLA into SLA requirements | * Huawei | * approved | * S5-195277 | * - |
| * S5-195835 | * Rel-16 pCR 28.805 Solution for communication services creation | * Samsung R&D Institute UK | * withdrawn | * - | * - |
| * S5-195836 | * Discussion paper on Heartbeat MnS specification for 5G | * AT&T, Deutsche Telekom, Orange | * endorsed | * S5-195081 | * - |
| * S5-195837 | * Rel-16 pCR 28.805 Solution for management aspects of NSI utilized by multiple communication services | * Samsung R&D Institute UK | * approved | * S5-195384 | * - |
| * S5-195838 | * Draft TR 28.805 | * Ericsson | * approved | * - | * - |
| * S5-195839 | * pCR 28.805 Proposal for conclusions and recommendations | * Ericsson India Private Limited, Deutsche Telekom | * approved | * S5-195528 | * - |
| * S5-195840 | * pCR 28.805 MDA-assistant SLA Evaluation | * Huawei | * noted | * S5-195223 | * - |
| * S5-195841 | * pCR 28.805 Solution for providing CSI management capability | * Ericsson India Private Limited, Deutsche Telekom | * approved | * S5-195532 | * - |
| * S5-195842 | * pCR 28.805 Replace SLA with SLS | * Ericsson India Private Limited, Deutsche Telekom | * approved | * S5-195533 | * - |
| * S5-195843 | * pCR 28.311 Add references | * China Mobile Com. Corporation | * approved | * S5-195191 | * - |
| * S5-195844 | * Draft TS 28.311 | * China Mobile | * approved | * - | * - |
| * S5-195845 | * pCR 28.311 Add overview | * China Mobile Com. Corporation | * approved | * S5-195194 | * - |
| * S5-195846 | * pCR 28.311 Rewrite business level requirements | * China Mobile Com. Corporation | * approved | * S5-195195 | * - |
| * S5-195847 | * pCR 28.311 Add specification level requirements | * China Mobile Com. Corporation | * approved | * S5-195196 | * - |
| * S5-195848 | * Draft TS 32.160 | * Ericsson | * approved | * - | * - |
| * S5-195849 | * Shadow TS 28.aaa Heartbeat | * Orange | * approved | * - | * - |
| * S5-195850 | * Rel-15 CR TS 28.541 Add NRM Info Model definitions for beam managed object class | * Pivotal Commware, ZTE, Intel, P.I. Works, China Mobile, Verizon, BT, AT&T, Cisco | * revised | * S5-195538 | * S5-195914 |
| * S5-195851 | * YANG style guide additions | * Ericsson Inc. | * revised | * S5-195537 | * S5-195916 |
| * S5-195852 | * pCR 28.812 Add solution for Cell Rehoming | * Huawei | * approved | * S5-195183 | * - |
| * S5-195853 | * pCR 28.812 Add the solution for intent driven network optimization scenario | * Huawei | * approved | * S5-195188 | * - |
| * S5-195854 | * pCR 28.812 Add the solution for network provisioning scenario | * Huawei | * approved | * S5-195189 | * - |
| * S5-195855 | * pCR 28.812 Update the intent translation | * Ericsson Telecomunicazioni SpA | * approved | * S5-195496 | * - |
| * S5-195856 | * pCR 28.812 Add definitions and abbreviations | * Ericsson Telecomunicazioni SpA | * revised | * S5-195500 | * S5-195920 |
| * S5-195857 | * pCR 28.812 Actors roles and management | * Ericsson Telecomunicazioni SpA | * approved | * S5-195497 | * - |
| * S5-195858 | * pCR 28.812 Add Conclusion and Recommendation | * Huawei | * approved | * S5-195190 | * - |
| * S5-195859 | * pCR 28.861 revise use case for PCI configuration | * Intel Corporation (UK) Ltd | * revised | * S5-195168 | * S5-195937 |
| * S5-195860 | * pCR TR 28.861 Add potential solution for PCI configuration | * Huawei | * withdrawn | * - | * - |
| * S5-195861 | * pCR 28.861 solution for PCI configuration | * Intel Corporation (UK) Ltd,Huawei | * revised | * S5-195169 | * S5-195938 |
| * S5-195862 | * OAM&P SWG action list | * WG Vice Chair (Huawei) | * available | * S5-195014 | * - |
| * S5-195863 | * pCR 28.805 Add mapping table of 3GPP ServiceProfile and GSMA GST | * Huawei | * approved | * - | * - |
| * S5-195864 | * pCR 28.861 solution for load balancing optimization | * Intel Corporation (UK) Ltd | * approved | * S5-195172 | * - |
| * S5-195865 | * pCR 28.861 solution for MRO | * Intel Corporation (UK) Ltd | * approved | * S5-195173 | * - |
| * S5-195866 | * pCR 28.861 solution for RACH optimization | * Intel Corporation (UK) Ltd | * approved | * S5-195174 | * - |
| * S5-195867 | * Add use case management of a satellite enabled 3GPP network as a roaming network for terrestrial network operators | * TNO | * approved | * S5-195401 | * - |
| * S5-195868 | * Add use case of management of 3GPP network with a satellite access network and a terrestrial access network | * TNO | * approved | * S5-195404 | * - |
| * S5-195869 | * TD Voice quality Discussion paper | * Nokia, Nokia Shanghai Bell | * endorsed | * S5-195414 | * - |
| * S5-195870 | * Add measurements related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * revised | * S5-195415 | * S5-195948 |
| * S5-195871 | * Add new KPI related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * revised | * S5-195416 | * S5-195949 |
| * S5-195872 | * Reference architecture for the management of satellite components | * THALES | * approved | * S5-195458 | * - |
| * S5-195873 | * Use case management of Non-Geostationary regenerative satellite components | * THALES | * approved | * S5-195459 | * - |
| * S5-195874 | * Use case monitoring of performances of NGSO component with gnB split | * THALES | * approved | * S5-195460 | * - |
| * S5-195875 | * pCR 28.812 Scenarios for Intent driven management services for mobile network | * Ericsson Telecomunicazioni SpA | * revised | * S5-195499 | * S5-195919 |
| * S5-195876 | * Use case monitoring of average delay on DL-Air Interface for a satellite RAT | * THALES | * approved | * S5-195461 | * - |
| * S5-195877 | * Draft TR 28.806 | * Nokia | * approved | * - | * - |
| * S5-195878 | * pCR 28.806 - Add content of the conclusions clause | * Nokia, Intel, AT&T | * approved | * S5-195443 | * - |
| * S5-195879 | * pCR 28.806 - Editorial clean-up | * Nokia | * approved | * S5-195445 | * - |
| * S5-195880 | * pCR 28.806 - Add more choices for non-file-based trace data encoding | * Ericsson | * approved | * S5-195503 | * - |
| * S5-195881 | * pCR TR 28.807 NPN terminologies and abbreviations | * NTT DOCOMO,Huawei | * approved | * S5-195078 | * - |
| * S5-195882 | * Draft TR 28.807 | * Huawei | * approved | * - | * - |
| * S5-195883 | * pCR 28.807 Add scope of TR | * Huawei | * approved | * S5-195281 | * - |
| * S5-195884 | * pCR TR 28.807 UC public network integrated NPN deployment | * NTT DOCOMO | * approved | * S5-195079 | * - |
| * S5-195885 | * Rel-15 CR 28.550 Add the missing stage 2 solutions for performance data streaming service | * Intel,China Telecom,ZTE | * agreed | * S5-195153 | * - |
| * S5-195886 | * Rel-16 CR 28.550 Add the missing stage 3 solutions for performance data streaming service | * Intel, Nokia | * agreed | * S5-194535 | * - |
| * S5-195887 | * Potential requirements for cross-slice network resource optimization | * KPN N.V. | * approved | * S5-195438 | * - |
| * S5-195888 | * Way forward for NRM stage 2 and 3 alignment | * Nokia, Huawei, Ericsson | * endorsed | * - | * - |
| * S5-195889 | * Potential solution for cross-slice network resource optimization | * KPN N.V. | * approved | * S5-195437 | * - |
| * S5-195890 | * pCR 28.861 Beam optimization in CCO | * Ericsson France S.A.S | * revised | * S5-195457 | * S5-195939 |
| * S5-195891 | * Management of Core Network SON | * Ericsson France S.A.S | * endorsed | * S5-195463 | * - |
| * S5-195892 | * Draft TR 28.861 | * Intel | * approved | * - | * - |
| * S5-195893 | * pCR 28.861 Add overview of potential solution for CCO | * Huawei | * approved | * S5-195124 | * - |
| * S5-195894 | * pCR 28.861 Add conclusion and recommendation | * Huawei,Intel,Ericsson | * approved | * S5-195128 | * - |
| * S5-195895 | * Minutes of NRM enhancements | * Rapporteur (Nokia) | * noted | * S5-195027 | * - |
| * S5-195896 | * pCR 28.861 Update use case Multi-Aspect Resource Optimization | * Nokia, Nokia Shanghai Bell | * approved | * S5-195551 | * - |
| * S5-195897 | * Correct definitions of granularity period | * Ericsson Inc. | * agreed | * S5-195403 | * - |
| * S5-195898 | * Correct definitions of granularity period | * Ericsson Inc. | * agreed | * S5-195542 | * - |
| * S5-195899 | * New WID on Self-Organizing Networks (SON) for 5G networks | * Intel Corporation (UK) Ltd | * agreed | * S5-195632 | * - |
| * S5-195900 | * New WID on levels of autonomous network | * China Mobile, Huawei, ZTE | * revised | * S5-195626 | * S5-195930 |
| * S5-195901 | * Rel-15 CR TS 28.541 Update class definition with inheritance information | * Huawei | * agreed | * S5-195738 | * - |
| * S5-195902 | * Rel-16 CR TS 28.541 Update class definition with inheritance information | * Huawei | * agreed | * S5-195739 | * - |
| * S5-195903 | * Rel-15 CR TS 28.622 Update class definition with inheritance information | * Huawei | * agreed | * S5-195740 | * - |
| * S5-195904 | * Rel-16 CR TS 28.622 Update class definition with inheritance information | * Huawei | * agreed | * S5-195741 | * - |
| * S5-195905 | * Rel-15 CR TS 28.620 Update class definition with inheritance information | * Huawei | * agreed | * S5-195742 | * - |
| * S5-195906 | * Rel-15 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * agreed | * S5-195647 | * - |
| * S5-195907 | * Rel-16 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * agreed | * S5-195648 | * - |
| * S5-195908 | * Rel-15 CR TS 28.533 Add deployment scenario | * Huawei | * not pursued | * S5-195650 | * - |
| * S5-195909 | * Rel-16 CR TS 28.533 Add deployment scenario | * Huawei | * not pursued | * S5-195651 | * - |
| * S5-195910 | * Rel-15 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * agreed | * S5-195750 | * - |
| * S5-195911 | * Rel-16 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * agreed | * S5-195751 | * - |
| * S5-195912 | * Rel-16 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * revised | * S5-195736 | * S5-195946 |
| * S5-195913 | * Rel-15 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * revised | * S5-195737 | * S5-195947 |
| * S5-195914 | * Rel-15 CR TS 28.541 Add NRM Info Model definitions for beam managed object class | * Pivotal Commware, ZTE, Intel, P.I. Works, China Mobile, Verizon, BT, AT&T, Cisco | * not pursued | * S5-195850 | * - |
| * S5-195915 | * Rel-16 CR 28.552 Add PEE measurements and related use case description | * Ericsson, Huawei, Orange | * agreed | * S5-195660 | * - |
| * S5-195916 | * YANG style guide additions | * Ericsson Inc. | * approved | * S5-195851 | * - |
| * S5-195917 | * Discussion paper on neighbor relationship indication use case for TR 28.861 | * Nokia, Nokia Shanghai Bell | * endorsed | * S5-195553 | * - |
| * S5-195918 | * Discussion paper on energy saving configuration related use cases | * Nokia, Nokia Shanghai Bell | * endorsed | * S5-195552 | * - |
| * S5-195919 | * pCR 28.812 Scenarios for Intent driven management services for mobile network | * Ericsson Telecomunicazioni SpA | * approved | * S5-195875 | * - |
| * S5-195920 | * pCR 28.812 Add definitions and abbreviations | * Ericsson Telecomunicazioni SpA | * approved | * S5-195856 | * - |
| * S5-195922 | * Rel-16 CR 28.552 Update and add delay related measurements for NG-RAN | * Intel | * agreed | * S5-195689 | * - |
| * S5-195923 | * Rel-16 CR 28.552 Update and add latency related measurements for NG-RAN | * Intel | * agreed | * S5-195690 | * - |
| * S5-195924 | * Rel-16 CR 28.552 Add measurements related to RTT N9 delay | * Intel | * agreed | * S5-195696 | * - |
| * S5-195925 | * Rel-16 CR 28.552 Add measurements related to delay within UPF | * Intel | * agreed | * S5-195697 | * - |
| * S5-195926 | * Add a new KPI definition of Inter-gNB handover Execution time of one single network slice | * China Mobile E-Commerce Co. | * agreed | * S5-195732 | * - |
| * S5-195927 | * Add a new KPI definition of PDU session EstablishmentTime of one single network slice | * China Mobile E-Commerce Co. | * agreed | * S5-195733 | * - |
| * S5-195928 | * Add a description of Inter-gNB handover Execution time measurement | * China Mobile E-Commerce Co. | * agreed | * S5-195711 | * - |
| * S5-195929 | * Add a description of PDU session establishment time measurement | * China Mobile E-Commerce Co. | * agreed | * S5-195734 | * - |
| * S5-195930 | * New SID on levels of autonomous network | * China Mobile, Huawei, ZTE | * revised | * S5-195900 | * S5-195944 |
| * S5-195931 | * Rel-16 CR TS 28.530 Add use case MnS query and related requirement | * Huawei | * agreed | * S5-195775 | * - |
| * S5-195932 | * Rel-16 CR TS 28.533 Add management service discovery solution concept | * Huawei | * not pursued | * S5-195778 | * - |
| * S5-195933 | * pCR 28.861 Add Use Case and Requirements for ANR Management | * Ericsson France S.A.S, Intel,Huawei | * approved | * S5-195670 | * - |
| * S5-195934 | * Discussion on Netconf-based solution for provisioning MnS | * Huawei | * endorsed | * S5-195803 | * - |
| * S5-195935 | * pCR 28.804 Conclusion and recommendations | * Huawei | * revised | * S5-195830 | * S5-195951 |
| * S5-195936 | * Add measurements related to extended QCI1 Retainability monitoring | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195417 | * - |
| * S5-195937 | * pCR 28.861 revise use case for PCI configuration | * Intel Corporation (UK) Ltd | * approved | * S5-195859 | * - |
| * S5-195938 | * pCR 28.861 solution for PCI configuration | * Intel Corporation (UK) Ltd,Huawei | * approved | * S5-195861 | * - |
| * S5-195939 | * pCR 28.861 Beam optimization in CCO | * Ericsson France S.A.S | * approved | * S5-195890 | * - |
| * S5-195940 | * Draft TR 28.808 | * Thales | * approved | * - | * - |
| * S5-195941 | * Reply to: Resubmitted Reply LS from RAN3 to SA5 on L1 and L2 measurements | * Huawei | * approved | * - | * - |
| * S5-195942 | * New WID on enhancement of 3GPP management system for multiple tenant envorinment support | * Huawei | * agreed | * S5-195637 | * - |
| * S5-195943 | * Study on management aspects of 5G Service-Level Agreement | * China Mobile E-Commerce Co. | * revised | * S5-195636 | * S5-195954 |
| * S5-195944 | * New SID on levels of autonomous network | * China Mobile, Huawei, ZTE | * agreed | * S5-195930 | * - |
| * S5-195945 | * Rel-16 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework | * Huawei | * agreed | * S5-195649 | * - |
| * S5-195946 | * Rel-16 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * agreed | * S5-195912 | * - |
| * S5-195947 | * Rel-15 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * agreed | * S5-195913 | * - |
| * S5-195948 | * Add measurements related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195870 | * - |
| * S5-195949 | * Add new KPI related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195871 | * - |
| * S5-195950 | * Add new specification requirement related to extended QCI1 Retainability monitoring | * Nokia, Nokia Shanghai Bell | * agreed | * S5-195418 | * - |
| * S5-195951 | * pCR 28.804 Conclusion and recommendations | * Huawei | * approved | * S5-195935 | * - |
| * S5-195952 | * New WID on Network Slice Management Charging in 5G System | * Nokia | * agreed | * S5-195715 | * - |
| * S5-195953 | * CH Executive Report | * CH SWG Chair | * noted | * S5-195039 | * - |
| * S5-195954 | * New Study on management aspects of 5G Service-Level Agreement | * China Mobile E-Commerce Co. | * agreed | * S5-195943 | * - |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| * S5-195447 | * Add use case and definitions of UL user plane packet delay measurement from UE to UPF | * ETRI | * 28.522 | * 0003 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * not pursued |
| * S5-195218 | * Rel-16 CR TS 28.530 Add use case MnS query and related requirement | * Huawei | * 28.530 | * 0007 | * - | * Rel-16 | * B | * 5GDMS | * revised |
| * S5-195775 | * Rel-16 CR TS 28.530 Add use case MnS query and related requirement | * Huawei | * 28.530 | * 0007 | * 1 | * Rel-16 | * B | * 5GDMS | * revised |
| * S5-195931 | * Rel-16 CR TS 28.530 Add use case MnS query and related requirement | * Huawei | * 28.530 | * 0007 | * 2 | * Rel-16 | * B | * 5GDMS | * agreed |
| * S5-195382 | * Rel 15 CR TS 28.530 NST Definition | * Samsung R&D Institute UK | * 28.530 | * 0008 | * - | * Rel-15 | * F | * NETSLICE | * merged |
| * S5-195536 | * CR 28.530 - Fix inconsistencies related to service requirements | * Nokia | * 28.530 | * 0009 | * - | * Rel-15 | * F | * NETSLICE | * revised |
| * S5-195639 | * CR 28.530 - Fix inconsistencies related to service requirements | * Nokia,Samsung | * 28.530 | * 0009 | * 1 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-195290 | * Rel-15 CR TS 28.531 Add the identifier description | * Huawei | * 28.531 | * 0023 | * 2 | * Rel-15 | * F | * NETSLICE-PRO\_NS | * revised |
| * S5-195640 | * Rel-15 CR TS 28.531 Add the identifier description | * Huawei | * 28.531 | * 0023 | * 3 | * Rel-15 | * F | * NETSLICE-PRO\_NS | * agreed |
| * S5-195077 | * Rel-16 CR 28.531 Add informative annex to describe a network slice journey | * Orange, Nokia, Huawei | * 28.531 | * 0024 | * - | * Rel-16 | * B | * NETSLICE-PRO\_NS | * revised |
| * S5-195644 | * Rel-16 CR 28.531 Add informative annex to describe a network slice journey | * Orange, Nokia, Huawei | * 28.531 | * 0024 | * 1 | * Rel-16 | * B | * TEI16 | * agreed |
| * S5-195121 | * Rel-15 CR TS 28.531 Add the identifier description | * Huawei | * 28.531 | * 0025 | * - | * Rel-15 | * F | * NETSLICE-PRO\_NS | * withdrawn |
| * S5-195122 | * Rel-16 CR TS 28.531 Add the identifier description | * Huawei | * 28.531 | * 0026 | * - | * Rel-16 | * A | * NETSLICE-PRO\_NS | * revised |
| * S5-195641 | * Rel-16 CR TS 28.531 Add the identifier description | * Huawei | * 28.531 | * 0026 | * 1 | * Rel-16 | * A | * NETSLICE-PRO\_NS | * agreed |
| * S5-195526 | * CR Rel-15 28.531 Remove NSST and update related text | * Ericsson India Private Limited | * 28.531 | * 0027 | * - | * Rel-15 | * F | * NETSLICE-PRO\_NS | * revised |
| * S5-195642 | * CR Rel-15 28.531 Remove NSST and update related text | * Ericsson India Private Limited,Nokia,Deutsche Telekom | * 28.531 | * 0027 | * 1 | * Rel-15 | * F | * NETSLICE-PRO\_NS | * agreed |
| * S5-195527 | * CR Rel-16 28.531 Remove NSST and update related text | * Ericsson India Private Limited | * 28.531 | * 0028 | * - | * Rel-16 | * A | * NETSLICE-PRO\_NS | * revised |
| * S5-195643 | * CR Rel-16 28.531 Remove NSST and update related text | * Ericsson India Private Limited,Nokia,Deutsche Telekom | * 28.531 | * 0028 | * 1 | * Rel-16 | * A | * NETSLICE-PRO\_NS | * agreed |
| * S5-195539 | * CR 28.531 - Fix inconsistencies related to service requirements | * Nokia | * 28.531 | * 0029 | * - | * Rel-15 | * F | * NETSLICE | * merged |
| * S5-195540 | * CR 28.531 - Fix inconsistencies related to service requirements | * Nokia | * 28.531 | * 0030 | * - | * Rel-16 | * A | * NETSLICE | * merged |
| * S5-195129 | * Rel-15 CR 28.532 Global reorganization plus correcting operation names and wrong references | * AT&T, Huawei, Orange | * 28.532 | * 0037 | * 2 | * Rel-15 | * F | * NETSLICE | * revised |
| * S5-195645 | * Rel-15 CR 28.532 Global reorganization plus correcting operation names and wrong references | * AT&T, Huawei, Orange | * 28.532 | * 0037 | * 3 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-195130 | * Rel-16 CR 28.532 Global reorganization plus correcting operation names and wrong references | * AT&T, Huawei, Orange | * 28.532 | * 0038 | * 2 | * Rel-16 | * A | * NETSLICE | * revised |
| * S5-195646 | * Rel-16 CR 28.532 Global reorganization plus correcting operation names and wrong references | * AT&T, Huawei, Orange | * 28.532 | * 0038 | * 3 | * Rel-16 | * A | * NETSLICE | * agreed |
| * S5-195222 | * Rel-16 CR TS 28.532 Add stage 2 and stage 3 definition for MnSCapabilityQuery operation | * Huawei | * 28.532 | * 0050 | * - | * Rel-16 | * B | * 5GDMS | * revised |
| * S5-195779 | * Rel-16 CR TS 28.532 Add stage 2 and stage 3 definition for MnSCapabilityQuery operation | * Huawei | * 28.532 | * 0050 | * 1 | * Rel-16 | * B | * 5GDMS | * not pursued |
| * S5-195396 | * Rel-16 CR TS 28.532 Add RESTful HTTP-based solution set of file-based performance assurance for integration with ONAP VES | * Huawei | * 28.532 | * 0051 | * - | * Rel-16 | * B | * ONAP3GPP | * not pursued |
| * S5-195398 | * Rel-16 CR TS 28.532 Add Netconf-based solution set for provisioning services | * Huawei | * 28.532 | * 0052 | * - | * Rel-16 | * B | * ONAP3GPP | * not pursued |
| * S5-195548 | * Rel-15 CR 28.532 Remove subscriptionId from notifyMOICreation input parameters | * Orange | * 28.532 | * 0053 | * - | * Rel-15 | * F | * NETSLICE | * merged |
| * S5-195549 | * Rel-16 CR 28.532 Remove subscriptionId from notifyMOICreation input parameters | * Orange | * 28.532 | * 0054 | * - | * Rel-16 | * A | * NETSLICE | * merged |
| * S5-195109 | * Rel-15 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * 28.533 | * 0025 | * - | * Rel-15 | * F | * NETSLICE | * revised |
| * S5-195647 | * Rel-15 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * 28.533 | * 0025 | * 1 | * Rel-15 | * F | * NETSLICE | * revised |
| * S5-195906 | * Rel-15 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * 28.533 | * 0025 | * 2 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-195110 | * Rel-16 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * 28.533 | * 0026 | * - | * Rel-16 | * A | * NETSLICE | * revised |
| * S5-195648 | * Rel-16 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * 28.533 | * 0026 | * 1 | * Rel-16 | * A | * NETSLICE | * revised |
| * S5-195907 | * Rel-16 CR TS 28.533 Add description of MnS provided by NF | * Huawei | * 28.533 | * 0026 | * 2 | * Rel-16 | * A | * NETSLICE | * agreed |
| * S5-195111 | * Rel-15 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework | * Huawei | * 28.533 | * 0027 | * - | * Rel-15 | * F | * NETSLICE | * not pursued |
| * S5-195112 | * Rel-16 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework | * Huawei | * 28.533 | * 0028 | * - | * Rel-16 | * A | * NETSLICE | * revised |
| * S5-195649 | * Rel-16 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework | * Huawei | * 28.533 | * 0028 | * 1 | * Rel-16 | * B | * NETSLICE,TEI16 | * revised |
| * S5-195945 | * Rel-16 CR TS 28.533 Add 3GPP Management Service deployment based on ZSM Framework | * Huawei | * 28.533 | * 0028 | * 2 | * Rel-16 | * B | * NETSLICE,TEI16 | * agreed |
| * S5-195119 | * Rel-15 CR TS 28.533 Add deployment scenario | * Huawei | * 28.533 | * 0029 | * - | * Rel-15 | * F | * NETSLICE | * revised |
| * S5-195650 | * Rel-15 CR TS 28.533 Add deployment scenario | * Huawei | * 28.533 | * 0029 | * 1 | * Rel-15 | * F | * NETSLICE | * revised |
| * S5-195908 | * Rel-15 CR TS 28.533 Add deployment scenario | * Huawei | * 28.533 | * 0029 | * 2 | * Rel-15 | * F | * NETSLICE | * not pursued |
| * S5-195120 | * Rel-16 CR TS 28.533 Add deployment scenario | * Huawei | * 28.533 | * 0030 | * - | * Rel-16 | * A | * NETSLICE | * revised |
| * S5-195651 | * Rel-16 CR TS 28.533 Add deployment scenario | * Huawei | * 28.533 | * 0030 | * 1 | * Rel-16 | * A | * NETSLICE | * revised |
| * S5-195909 | * Rel-16 CR TS 28.533 Add deployment scenario | * Huawei | * 28.533 | * 0030 | * 2 | * Rel-16 | * A | * NETSLICE | * not pursued |
| * S5-195181 | * Rel-16 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * 28.533 | * 0031 | * - | * Rel-16 | * B | * TEI16 | * revised |
| * S5-195736 | * Rel-16 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * 28.533 | * 0031 | * 1 | * Rel-16 | * A | * NETSLICE | * revised |
| * S5-195912 | * Rel-16 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * 28.533 | * 0031 | * 2 | * Rel-16 | * A | * NETSLICE | * revised |
| * S5-195946 | * Rel-16 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * 28.533 | * 0031 | * 3 | * Rel-16 | * A | * NETSLICE | * agreed |
| * S5-195219 | * Rel-16 CR TS 28.533 Add management service discovery solution concept | * Huawei | * 28.533 | * 0032 | * - | * Rel-16 | * B | * 5GDMS | * revised |
| * S5-195778 | * Rel-16 CR TS 28.533 Add management service discovery solution concept | * Huawei | * 28.533 | * 0032 | * 1 | * Rel-16 | * B | * 5GDMS | * revised |
| * S5-195932 | * Rel-16 CR TS 28.533 Add management service discovery solution concept | * Huawei | * 28.533 | * 0032 | * 2 | * Rel-16 | * B | * 5GDMS | * not pursued |
| * S5-195220 | * Rel-16 CR TS 28.533 Remove use case MnS query and related requirement | * Huawei | * 28.533 | * 0033 | * - | * Rel-16 | * B | * 5GDMS | * merged |
| * S5-195221 | * Rel-16 CR TS 28.533 Getting management service URI for MnS discovery | * Huawei | * 28.533 | * 0034 | * - | * Rel-16 | * B | * 5GDMS | * revised |
| * S5-195780 | * Rel-16 CR TS 28.533 Getting management service URI for MnS discovery | * Huawei | * 28.533 | * 0034 | * 1 | * Rel-16 | * B | * 5GDMS | * not pursued |
| * S5-195519 | * CR Rel-15 28.533 Remove MnS query | * Ericsson India Private Limited | * 28.533 | * 0035 | * - | * Rel-15 | * F | * NETSLICE | * not pursued |
| * S5-195776 | * CR Rel-15 28.533 Remove MnS query | * Ericsson India Private Limited,Huawei | * 28.533 | * 0035 | * 1 | * Rel-15 | * F | * NETSLICE | * withdrawn |
| * S5-195520 | * CR Rel-16 28.533 Remove MnS query | * Ericsson India Private Limited | * 28.533 | * 0036 | * - | * Rel-16 | * A | * NETSLICE | * revised |
| * S5-195777 | * CR Rel-16 28.533 Remove MnS query | * Ericsson India Private Limited, Huawei | * 28.533 | * 0036 | * 1 | * Rel-16 | * A | * NETSLICE | * not pursued |
| * S5-195737 | * Rel-15 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * 28.533 | * 0037 | * - | * Rel-15 | * F | * NETSLICE | * revised |
| * S5-195913 | * Rel-15 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * 28.533 | * 0037 | * 1 | * Rel-15 | * F | * NETSLICE | * revised |
| * S5-195947 | * Rel-15 CR TS 28.533 add managment coordination with NWDAF | * Huawei | * 28.533 | * 0037 | * 2 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-195538 | * Rel-15 CR TS 28.541 Add NRM Info Model definitions for beam managed object class | * Pivotal Commware, ZTE, Intel, P.I. Works, China Mobile, Verizon, BT, AT&T, Cisco | * 28.541 | * 0051 | * 7 | * Rel-15 | * C | * NETSLICE-5GNRM | * revised |
| * S5-195850 | * Rel-15 CR TS 28.541 Add NRM Info Model definitions for beam managed object class | * Pivotal Commware, ZTE, Intel, P.I. Works, China Mobile, Verizon, BT, AT&T, Cisco | * 28.541 | * 0051 | * 8 | * Rel-15 | * C | * NETSLICE-5GNRM | * revised |
| * S5-195914 | * Rel-15 CR TS 28.541 Add NRM Info Model definitions for beam managed object class | * Pivotal Commware, ZTE, Intel, P.I. Works, China Mobile, Verizon, BT, AT&T, Cisco | * 28.541 | * 0051 | * 9 | * Rel-15 | * C | * NETSLICE-5GNRM | * not pursued |
| * S5-195509 | * Add missing (NR) cell and frequency relation | * Ericsson Inc.,Huawei | * 28.541 | * 0086 | * 2 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195427 | * Rel16 Update 5GC Information Service to align with Managed Service Definition | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0089 | * 2 | * Rel-16 | * B | * eNRM | * agreed |
| * S5-195514 | * Correct UML diagram and role-attribute of slice NRM | * Ericsson Inc. Huawei | * 28.541 | * 0093 | * 2 | * Rel-16 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195516 | * Correct use of Proxy class | * Ericsson Inc. | * 28.541 | * 0095 | * 2 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195512 | * Add YANG solution | * Ericsson-LG Co., LTD | * 28.541 | * 0113 | * 3 | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195749 | * Add YANG solution | * Ericsson-LG Co., LTD | * 28.541 | * 0113 | * 4 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195428 | * Rel16 Support NF Profile management | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0114 | * 2 | * Rel-16 | * C | * eNRM | * withdrawn |
| * S5-195420 | * Rel15 generate JSON definition for NR NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0117 | * 2 | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195684 | * Rel15 generate JSON definition for NR NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0117 | * 3 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195421 | * Rel15 generate JSON definition for Network Slice NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0118 | * 2 | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195685 | * Rel15 generate JSON definition for Network Slice NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0118 | * 3 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195517 | * Rel-15 CR 28.541 Remove pLMNId from GNBDUFunction | * Ericsson Limited | * 28.541 | * 0122 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195104 | * Rel-15 CR TS 28.541 Update class definition with inheritance information | * Huawei | * 28.541 | * 0125 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195738 | * Rel-15 CR TS 28.541 Update class definition with inheritance information | * Huawei | * 28.541 | * 0125 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195901 | * Rel-15 CR TS 28.541 Update class definition with inheritance information | * Huawei | * 28.541 | * 0125 | * 2 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195105 | * Rel-16 CR TS 28.541 Update class definition with inheritance information | * Huawei | * 28.541 | * 0126 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * revised |
| * S5-195739 | * Rel-16 CR TS 28.541 Update class definition with inheritance information | * Huawei | * 28.541 | * 0126 | * 1 | * Rel-16 | * A | * NETSLICE-5GNRM | * revised |
| * S5-195902 | * Rel-16 CR TS 28.541 Update class definition with inheritance information | * Huawei | * 28.541 | * 0126 | * 2 | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195113 | * Rel-15 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios | * Huawei | * 28.541 | * 0127 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195743 | * Rel-15 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios | * Huawei | * 28.541 | * 0127 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195114 | * Rel-16 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios | * Huawei | * 28.541 | * 0128 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * revised |
| * S5-195744 | * Rel-16 CR TS 28.541 Correct description of NRCellCU and NRCellDU to be applicable for all deployment scenarios | * Huawei | * 28.541 | * 0128 | * 1 | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195115 | * Rel-15 CR TS 28.541 Correct XML solution set for NR | * Huawei | * 28.541 | * 0129 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195735 | * Rel-15 CR TS 28.541 Correct XML solution set for NR | * Huawei | * 28.541 | * 0129 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195116 | * Rel-16 CR TS 28.541 Correct XML solution set for NR | * Huawei | * 28.541 | * 0130 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195117 | * Rel-15 CR TS 28.541 Correct XML solution set for Network slice | * Huawei | * 28.541 | * 0131 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195118 | * Rel-16 CR TS 28.541 Correct XML solution set for Network slice | * Huawei | * 28.541 | * 0132 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195178 | * Rel-16 CR TS 28.541 Clarification on slice model | * Huawei | * 28.541 | * 0133 | * - | * Rel-16 | * F | * TEI16 | * revised |
| * S5-195745 | * Rel-16 CR TS 28.541 Clarification on slice model | * Huawei | * 28.541 | * 0133 | * 1 | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-195291 | * Rel-16 CR 28.541 Correction of Network slice NRM relationship | * China Telecom Corporation Ltd. | * 28.541 | * 0134 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * withdrawn |
| * S5-195294 | * Rel-16 CR 28.541 Correction of Network slice NRM relationship | * China Telecom Corporation Ltd. | * 28.541 | * 0135 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * not pursued |
| * S5-195389 | * Add missing NR cell and freq relation | * Ericsson Inc. | * 28.541 | * 0136 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-195390 | * Add YANG mount info v2 | * Ericsson Inc. | * 28.541 | * 0137 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195746 | * Add YANG mount info v2 | * Ericsson Inc. | * 28.541 | * 0137 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195392 | * Add YANG solution | * Ericsson Inc. | * 28.541 | * 0138 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-195393 | * Correct slice NRM | * Ericsson Inc. | * 28.541 | * 0139 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-195395 | * Correct use of Proxy | * Ericsson Inc. | * 28.541 | * 0140 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195515 | * Correct use of Proxy | * Ericsson Inc. | * 28.541 | * 0140 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-195399 | * Remove pLMNId from GNBDUFunction | * Ericsson Inc. | * 28.541 | * 0141 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-195406 | * Add YANG mount info v2 | * Ericsson Inc. | * 28.541 | * 0142 | * - | * Rel-16 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195747 | * Add YANG mount info v2 | * Ericsson Inc. | * 28.541 | * 0142 | * 1 | * Rel-16 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195408 | * Add YANG solution v2 | * Ericsson Inc. | * 28.541 | * 0143 | * - | * Rel-16 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195409 | * Correct slice NRM | * Ericsson Inc. | * 28.541 | * 0144 | * - | * Rel-16 | * F | * NETSLICE-5GNRM | * not pursued |
| * S5-195411 | * Remove pLMNId from GNBDUFunction | * Ericsson Inc. | * 28.541 | * 0145 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * not pursued |
| * S5-195412 | * To syn up with v1540 stage 2 | * Ericsson Inc. | * 28.541 | * 0146 | * - | * Rel-16 | * F | * NETSLICE-5GNRM | * not pursued |
| * S5-195748 | * To syn up with v1540 stage 2 | * Ericsson Inc. | * 28.541 | * 0146 | * 1 | * Rel-16 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-195422 | * Rel15 generate JSON definition for 5GC NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0147 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195692 | * Rel15 generate JSON definition for 5GC NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0147 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195423 | * Rel15 Fix NR NRM to add missed ID info | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0148 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195693 | * Rel15 Fix NR NRM to add missed ID info | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0148 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195425 | * Rel16 generate JSON definition for 5G NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0149 | * - | * Rel-16 | * F | * eNRM | * revised |
| * S5-195695 | * Rel16 generate JSON definition for 5G NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0149 | * 1 | * Rel-16 | * F | * eNRM | * agreed |
| * S5-195426 | * Rel16 Fix NR NRM to add missed ID info | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0150 | * - | * Rel-16 | * F | * eNRM | * revised |
| * S5-195774 | * Rel16 Fix NR NRM to add missed ID info | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0150 | * 1 | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195449 | * Rel-15 CR TS 28.541 Align XML Solution Set for 5GC | * Huawei Tech.(UK) Co., Ltd | * 28.541 | * 0151 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195634 | * Rel-15 CR TS 28.541 Align XML Solution Set for 5GC | * Huawei Tech.(UK) Co., Ltd | * 28.541 | * 0151 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195451 | * Rel-16 CR TS 28.541 XML Solution Set for 5GC | * CMCC, Huawei | * 28.541 | * 0152 | * - | * Rel-16 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195635 | * Rel-16 CR TS 28.541 XML Solution Set for 5GC | * CMCC, Huawei | * 28.541 | * 0152 | * 1 | * Rel-16 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195521 | * CR Rel-15 28.541 Correct ETSI NFV reference | * Ericsson India Private Limited | * 28.541 | * 0153 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195522 | * CR Rel-16 28.541 Correct ETSI NFV reference | * Ericsson India Private Limited | * 28.541 | * 0154 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195543 | * Correct Import table | * Ericsson Inc. | * 28.541 | * 0155 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-195544 | * Correct Import table | * Ericsson Inc. | * 28.541 | * 0156 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * withdrawn |
| * S5-195562 | * Rel16 generate JSON definition for Network Slice NRM based on new style guideline | * Nokia Solutions & Networks (I) | * 28.541 | * 0157 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * revised |
| * S5-195705 | * Rel16 generate JSON definition for Network Slice NRM based on new style guideline | * Nokia Solutions & Networks (I) | * 28.541 | * 0157 | * 1 | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195563 | * Rel16 generate JSON definition for NR NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0158 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * revised |
| * S5-195706 | * Rel16 generate JSON definition for NR NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0158 | * 1 | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195773 | * Rel-16 CR TS 28.541 Add mapping table of 3GPP ServiceProfile and GSMA GST | * Huawei | * 28.541 | * 0159 | * - | * Rel-16 | * B | * eNRM | * withdrawn |
| * S5-195886 | * Rel-16 CR 28.550 Add the missing stage 3 solutions for performance data streaming service | * Intel, Nokia | * 28.550 | * 0009 | * 3 | * Rel-16 | * A | * NETSLICE-ADPM5G | * agreed |
| * S5-195752 | * Rel-15 CR 28.550 Add the missing stage 3 solutions for performance data streaming service | * Intel, Nokia | * 28.550 | * 0014 | * 3 | * Rel-15 | * F | * NETSLICE-ADPM5G | * agreed |
| * S5-195094 | * Rel-15 CR TS 28.550 Correction on the components of performance data streaming services | * China Telecommunications, ZTE | * 28.550 | * 0022 | * - | * Rel-15 | * F | * NETSLICE-ADPM5G | * merged |
| * S5-195095 | * Rel-16 CR TS 28.550 Correction on the components of performance data streaming services | * China Telecommunications, ZTE | * 28.550 | * 0023 | * - | * Rel-16 | * A | * NETSLICE-ADPM5G | * not pursued |
| * S5-195153 | * Rel-15 CR 28.550 Add the missing stage 2 solutions for performance data streaming service | * Intel | * 28.550 | * 0024 | * - | * Rel-15 | * F | * NETSLICE-ADPM5G | * revised |
| * S5-195885 | * Rel-15 CR 28.550 Add the missing stage 2 solutions for performance data streaming service | * Intel,China Telecom,ZTE | * 28.550 | * 0024 | * 1 | * Rel-15 | * F | * NETSLICE-ADPM5G | * agreed |
| * S5-195154 | * Rel-15 CR 28.550 Add the missing stage 3 solutions for performance data streaming service | * Intel, Nokia | * 28.550 | * 0025 | * - | * Rel-15 | * F | * NETSLICE-ADPM5G | * not pursued |
| * S5-195155 | * Rel-16 CR 28.550 Add the missing stage 3 solutions for performance data streaming service | * Intel, Nokia | * 28.550 | * 0026 | * - | * Rel-16 | * A | * NETSLICE-ADPM5G | * not pursued |
| * S5-195224 | * Rel-16 CR TS 28.550 NSI and NSSI performance assurance | * Huawei | * 28.550 | * 0027 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195686 | * Rel-16 CR TS 28.550 NSI and NSSI performance assurance | * Huawei,Ericsson | * 28.550 | * 0027 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195386 | * Add NSI performance threshold monitoring service | * China Mobile E-Commerce Co. | * 28.550 | * 0028 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195687 | * Add use case for NSI performance threshold monitoring | * China Mobile E-Commerce Co. | * 28.550 | * 0028 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195387 | * Add NSSI performance threshold monitoring service | * China Mobile E-Commerce Co. | * 28.550 | * 0029 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195688 | * Add use case for NSSI performance threshold monitoring | * China Mobile E-Commerce Co. | * 28.550 | * 0029 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195244 | * Add measurements related to DRB retainability | * Ericsson-LG Co., LTD | * 28.552 | * 0081 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195700 | * Add measurements related to DRB retainability | * Ericsson-LG Co., LTD | * 28.552 | * 0081 | * 3 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195157 | * Rel-16 CR 28.552 Update and add delay related measurements for NG-RAN | * Intel | * 28.552 | * 0101 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195689 | * Rel-16 CR 28.552 Update and add delay related measurements for NG-RAN | * Intel | * 28.552 | * 0101 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195922 | * Rel-16 CR 28.552 Update and add delay related measurements for NG-RAN | * Intel | * 28.552 | * 0101 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195158 | * Rel-16 CR 28.552 Update and add latency related measurements for NG-RAN | * Intel | * 28.552 | * 0102 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195690 | * Rel-16 CR 28.552 Update and add latency related measurements for NG-RAN | * Intel | * 28.552 | * 0102 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195923 | * Rel-16 CR 28.552 Update and add latency related measurements for NG-RAN | * Intel | * 28.552 | * 0102 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195159 | * Rel-16 CR 28.552 Add measurements related to RTT N3 delay for UL data packets on gNB CU-UP | * Intel | * 28.552 | * 0103 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * not pursued |
| * S5-195160 | * Rel-16 CR 28.552 Update and add measurements related to RTT N3 delay for DL data packets on UPF | * Intel | * 28.552 | * 0104 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195691 | * Rel-16 CR 28.552 Update and add measurements related to RTT N3 delay for DL data packets on UPF | * Intel, Huawei | * 28.552 | * 0104 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195161 | * Rel-16 CR 28.552 Add measurements related to RTT N9 delay | * Intel | * 28.552 | * 0105 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195696 | * Rel-16 CR 28.552 Add measurements related to RTT N9 delay | * Intel | * 28.552 | * 0105 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195924 | * Rel-16 CR 28.552 Add measurements related to RTT N9 delay | * Intel | * 28.552 | * 0105 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195162 | * Rel-16 CR 28.552 Add measurements related to delay within UPF | * Intel | * 28.552 | * 0106 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195697 | * Rel-16 CR 28.552 Add measurements related to delay within UPF | * Intel | * 28.552 | * 0106 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195925 | * Rel-16 CR 28.552 Add measurements related to delay within UPF | * Intel | * 28.552 | * 0106 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195163 | * Rel-16 CR 28.552 Add measurements on one way delay between PSA UPF and NG-RAN | * Intel | * 28.552 | * 0107 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * not pursued |
| * S5-195164 | * Rel-16 CR 28.552 Add measurements on RTT delay between PSA UPF and NG-RAN | * Intel | * 28.552 | * 0108 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * not pursued |
| * S5-195165 | * Rel-16 CR 28.552 Add measurements on RTT delay between PSA UPF and UE | * Intel | * 28.552 | * 0109 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195698 | * Rel-16 CR 28.552 Add measurements on RTT delay between PSA UPF and UE | * Intel,ETRI | * 28.552 | * 0109 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195177 | * Add use case and definitions of user plane packet delay measurement between UE and UPF | * ETRI | * 28.552 | * 0110 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * withdrawn |
| * S5-195180 | * Rel-16 CR 28.552 Add PEE measurements and related use case description | * Ericsson, Huawei, Orange | * 28.552 | * 0111 | * - | * Rel-16 | * B | * EE\_5G | * revised |
| * S5-195660 | * Rel-16 CR 28.552 Add PEE measurements and related use case description | * Ericsson, Huawei, Orange | * 28.552 | * 0111 | * 1 | * Rel-16 | * B | * EE\_5G | * revised |
| * S5-195915 | * Rel-16 CR 28.552 Add PEE measurements and related use case description | * Ericsson, Huawei, Orange | * 28.552 | * 0111 | * 2 | * Rel-16 | * B | * EE\_5G | * agreed |
| * S5-195266 | * Add Number of PDU session creation in HR roaming scenario | * ETRI | * 28.552 | * 0112 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195701 | * Add Number of PDU session creation in HR roaming scenario | * ETRI | * 28.552 | * 0112 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195267 | * Update the measurement related to Number of PDU session creation | * ETRI | * 28.552 | * 0113 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * revised |
| * S5-195702 | * Update the measurement related to Number of PDU session creation | * ETRI | * 28.552 | * 0113 | * 1 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-195268 | * Add UE Configuration Update procedure related measurements | * ETRI | * 28.552 | * 0114 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195703 | * Add UE Configuration Update procedure related measurements | * ETRI | * 28.552 | * 0114 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195283 | * Rel-16 CR TS 28.552 Correction of Registered subscribers measurement for AMF | * China Mobile Com. Corporation | * 28.552 | * 0115 | * - | * Rel-16 | * F | * NETSLICE-ADPM5G | * not treated |
| * S5-195284 | * Rel-15 CR TS 28.552 Correction of Registered subscribers measurement for AMF | * China Mobile Com. Corporation | * 28.552 | * 0116 | * - | * Rel-15 | * A | * NETSLICE-ADPM5G | * not treated |
| * S5-195286 | * Rel-16 CR TS 28.552 Correction of QoS flow monitoring for SMF | * China Mobile Com. Corporation | * 28.552 | * 0117 | * - | * Rel-16 | * F | * NETSLICE-ADPM5G | * agreed |
| * S5-195288 | * Rel-16 CR TS 28.552 Add Registered subscribers related measurements for AMF | * China Mobile Com. Corporation | * 28.552 | * 0118 | * - | * Rel-16 | * F | * NETSLICE-ADPM5G | * not treated |
| * S5-195289 | * Rel-15 CR TS 28.552 Add Registered subscribers related measurements for AMF | * China Mobile Com. Corporation | * 28.552 | * 0119 | * - | * Rel-15 | * A | * NETSLICE-ADPM5G | * not treated |
| * S5-195292 | * Rel-16 CR TS 28.552 Add Unregistered subscribers related measurements for UDM | * China Mobile Com. Corporation | * 28.552 | * 0120 | * - | * Rel-16 | * F | * NETSLICE-ADPM5G | * not treated |
| * S5-195293 | * Rel-15 CR TS 28.552 Add Unregistered subscribers related measurements for UDM | * China Mobile Com. Corporation | * 28.552 | * 0121 | * - | * Rel-15 | * A | * NETSLICE-ADPM5G | * not treated |
| * S5-195374 | * Rel-16 CR TS 28.552 Modify PM definition for non-spit NG-RAN scenario | * Huawei | * 28.552 | * 0122 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * revised |
| * S5-195704 | * Rel-16 CR TS 28.552 Modify PM definition for non-spit NG-RAN scenario | * Huawei | * 28.552 | * 0122 | * 1 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-195375 | * Rel-16 CR TS 28.552 Modify DRB setup management related measurements | * Huawei | * 28.552 | * 0123 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * revised |
| * S5-195707 | * Rel-16 CR TS 28.552 Modify DRB setup management related measurements | * Huawei | * 28.552 | * 0123 | * 1 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-195376 | * Rel-16 CR TS 28.552 Modify PDU Sessions setup related measurements | * Huawei | * 28.552 | * 0124 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * revised |
| * S5-195708 | * Rel-16 CR TS 28.552 Modify PDU Sessions setup related measurements | * Huawei | * 28.552 | * 0124 | * 1 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * agreed |
| * S5-195377 | * Rel-16 CR TS 28.552 Modify the definition of Round-trip GTP Data Packet Delay | * Huawei | * 28.552 | * 0125 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * merged |
| * S5-195378 | * Rel-16 CR TS 28.552 Add Packet Drop Rate related measurements | * Huawei | * 28.552 | * 0126 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * not pursued |
| * S5-195709 | * Rel-16 CR TS 28.552 Add Packet Drop Rate related measurements | * Huawei | * 28.552 | * 0126 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * withdrawn |
| * S5-195394 | * Add a descripment of Inter-gNB handover Execution time measurement | * China Mobile E-Commerce Co. | * 28.552 | * 0127 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195711 | * Add a descripment of Inter-gNB handover Execution time measurement | * China Mobile E-Commerce Co. | * 28.552 | * 0127 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195928 | * Add a description of Inter-gNB handover Execution time measurement | * China Mobile E-Commerce Co. | * 28.552 | * 0127 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195400 | * Add a descripment of PDU session establishment time measurement | * China Mobile E-Commerce Co. | * 28.552 | * 0128 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195734 | * Add a descripment of PDU session establishment time measurement | * China Mobile E-Commerce Co. | * 28.552 | * 0128 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195929 | * Add a description of PDU session establishment time measurement | * China Mobile E-Commerce Co. | * 28.552 | * 0128 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195415 | * Add measurements related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * 28.552 | * 0129 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195870 | * Add measurements related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * 28.552 | * 0129 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195948 | * Add measurements related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * 28.552 | * 0129 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195446 | * Add use case and definitions of DL user plane packet delay measurement from UPF to UE | * ETRI | * 28.552 | * 0130 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * merged |
| * S5-195250 | * Add KPI for DRB Retainability | * Ericsson-LG Co., LTD | * 28.554 | * 0016 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195192 | * Rel-15 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * 28.554 | * 0023 | * - | * Rel-15 | * F | * NETSLICE-ADPM5G | * revised |
| * S5-195750 | * Rel-15 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * 28.554 | * 0023 | * 1 | * Rel-15 | * F | * NETSLICE-ADPM5G | * revised |
| * S5-195910 | * Rel-15 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * 28.554 | * 0023 | * 2 | * Rel-15 | * F | * NETSLICE-ADPM5G | * agreed |
| * S5-195193 | * Rel-16 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * 28.554 | * 0024 | * - | * Rel-16 | * A | * NETSLICE-ADPM5G | * revised |
| * S5-195751 | * Rel-16 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * 28.554 | * 0024 | * 1 | * Rel-16 | * A | * NETSLICE-ADPM5G | * revised |
| * S5-195911 | * Rel-16 CR TS 28.554 Correct the title of KPI | * ZTE Trunking Technology Corp. | * 28.554 | * 0024 | * 2 | * Rel-16 | * A | * NETSLICE-ADPM5G | * agreed |
| * S5-195379 | * Rel-16 CR TS 28.554 Add definition of integrated downlink latency in RAN | * Huawei | * 28.554 | * 0025 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195710 | * Rel-16 CR TS 28.554 Add definition of integrated downlink latency in RAN | * Huawei | * 28.554 | * 0025 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195380 | * S5-195380 Rel-16 CR TS 28.554 Add analytical KPI of user data suppression level | * Huawei | * 28.554 | * 0026 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * not pursued |
| * S5-195381 | * Rel-16 CR TS 28.554 Add Analytical KPI of Traffic Load Level | * Huawei | * 28.554 | * 0027 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * not pursued |
| * S5-195388 | * Add a new KPI definition of Inter-gNB handover Execution time of one single network slice | * China Mobile E-Commerce Co. | * 28.554 | * 0028 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195732 | * Add a new KPI definition of Inter-gNB handover Execution time of one single network slice | * China Mobile E-Commerce Co. | * 28.554 | * 0028 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195926 | * Add a new KPI definition of Inter-gNB handover Execution time of one single network slice | * China Mobile E-Commerce Co. | * 28.554 | * 0028 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195391 | * Add a new KPI definition of PDU session EstablishmentTime of one single network slice | * China Mobile E-Commerce Co. | * 28.554 | * 0029 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195733 | * Add a new KPI definition of PDU session EstablishmentTime of one single network slice | * China Mobile E-Commerce Co. | * 28.554 | * 0029 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195927 | * Add a new KPI definition of PDU session EstablishmentTime of one single network slice | * China Mobile E-Commerce Co. | * 28.554 | * 0029 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195416 | * Add new KPI related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * 28.554 | * 0030 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195871 | * Add new KPI related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * 28.554 | * 0030 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195949 | * Add new KPI related to extended QFI1 QoS Flow Retainability monitoring | * Nokia, Nokia Shanghai Bell | * 28.554 | * 0030 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195470 | * Remove not used reference and add reference instead of abbreviation | * Ericsson Telecomunicazioni SpA | * 28.616 | * 0007 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195108 | * Rel-15 CR TS 28.620 Update class definition with inheritance information | * Huawei | * 28.620 | * 0014 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195742 | * Rel-15 CR TS 28.620 Update class definition with inheritance information | * Huawei | * 28.620 | * 0014 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195905 | * Rel-15 CR TS 28.620 Update class definition with inheritance information | * Huawei | * 28.620 | * 0014 | * 2 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195471 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 28.621 | * 0004 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195518 | * Add RP attribute and disambiguate the delivery method attributes | * Ericsson Inc. | * 28.622 | * 0034 | * 2 | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195674 | * Correct PMControl (Add report period attribute and disambiguate the delivery method attributes) | * Ericsson Inc. | * 28.622 | * 0034 | * 3 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195086 | * Rel-16 CR 28.622 Add NRM fragment supporting the management of notification subscriptions | * AT&T, Deutsche Telekom, Nokia, Orange | * 28.622 | * 0036 | * - | * Rel-16 | * B | * ONAP3GPP | * not pursued |
| * S5-195106 | * Rel-15 CR TS 28.622 Update class definition with inheritance information | * Huawei | * 28.622 | * 0037 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195740 | * Rel-15 CR TS 28.622 Update class definition with inheritance information | * Huawei | * 28.622 | * 0037 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195903 | * Rel-15 CR TS 28.622 Update class definition with inheritance information | * Huawei | * 28.622 | * 0037 | * 2 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195107 | * Rel-16 CR TS 28.622 Update class definition with inheritance information | * Huawei | * 28.622 | * 0038 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * revised |
| * S5-195741 | * Rel-16 CR TS 28.622 Update class definition with inheritance information | * Huawei | * 28.622 | * 0038 | * 1 | * Rel-16 | * A | * NETSLICE-5GNRM | * revised |
| * S5-195904 | * Rel-16 CR TS 28.622 Update class definition with inheritance information | * Huawei | * 28.622 | * 0038 | * 2 | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195198 | * Rel-15 CR TS 28.622 Add measurements attribute into related IOCs | * ZTE Trunking Technology Corp. | * 28.622 | * 0039 | * - | * Rel-15 | * F | * NETSLICE-ADPM5G | * withdrawn |
| * S5-195199 | * Rel-16 CR TS 28.622 Add measurements attribute into related IOCs | * ZTE Trunking Technology Corp. | * 28.622 | * 0040 | * - | * Rel-16 | * F | * NETSLICE-ADPM5G | * withdrawn |
| * S5-195403 | * Correct definitions of granularity period | * Ericsson Inc. | * 28.622 | * 0041 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195897 | * Correct definitions of granularity period | * Ericsson Inc. | * 28.622 | * 0041 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195413 | * Clarify optional configurable PM support | * Ericsson Inc. | * 28.622 | * 0042 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * not pursued |
| * S5-195434 | * Correct PMControl v2 | * Ericsson Inc. | * 28.622 | * 0043 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * revised |
| * S5-195673 | * Correct PMControl (Add report period attribute and disambiguate the delivery method attributes) | * Ericsson Inc. | * 28.622 | * 0043 | * 1 | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195472 | * Correct NR definition to avoid misalignment with RAN2 and add NRM definition | * Ericsson Telecomunicazioni SpA | * 28.622 | * 0044 | * - | * Rel-16 | * A | * TEI15 | * agreed |
| * S5-195478 | * Correct NR definition to avoid misalignment with RAN2 and add NRM definition | * Ericsson Telecomunicazioni SpA | * 28.622 | * 0045 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195542 | * Correct granularity period defn | * Ericsson Inc. | * 28.622 | * 0046 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * revised |
| * S5-195898 | * Correct definitions of granularity period | * Ericsson Inc. | * 28.622 | * 0046 | * 1 | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195545 | * Correct conditional mandatory qualifications for SectorEquipmentFunction | * Ericsson Inc. | * 28.622 | * 0047 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-195529 | * Add IDL XML YANG solution | * Ericsson-LG Co., LTD | * 28.623 | * 0022 | * 2 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195535 | * Rel-15 CR 28623 v1520 Add Generic NRM IRP solution sets | * Ericsson-LG Co., LTD | * 28.623 | * 0022 | * 3 | * Rel-15 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-195419 | * Rel15 generate JSON definition for generic NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.623 | * 0023 | * 2 | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-195683 | * Rel15 generate JSON definition for generic NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.623 | * 0023 | * 3 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-195087 | * Rel-16 CR 28.623 Add NRM fragment supporting the management of notification subscriptions | * AT&T, Deutsche Telekom, Nokia, Orange | * 28.623 | * 0024 | * - | * Rel-16 | * B | * ONAP3GPP | * not pursued |
| * S5-195405 | * Add IDL XML YANG solution | * Ericsson Inc. | * 28.623 | * 0025 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-195424 | * Rel16 generate JSON definition for generic NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.623 | * 0026 | * - | * Rel-16 | * F | * eNRM | * revised |
| * S5-195694 | * Rel16 generate JSON definition for generic NRM based on new style guideline | * Nokia, Nokia Shanghai Bell | * 28.623 | * 0026 | * 1 | * Rel-16 | * F | * eNRM | * agreed |
| * S5-195435 | * Add IDL XML YANG solution | * Ericsson Inc. | * 28.623 | * 0027 | * - | * Rel-16 | * A | * NETSLICE-5GNRM | * agreed |
| * S5-195494 | * Correct references and remove not need abbreviations | * Ericsson Telecomunicazioni SpA | * 28.623 | * 0028 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195495 | * Correct references and remove not need abbreviations | * Ericsson Telecomunicazioni SpA | * 28.623 | * 0029 | * - | * Rel-16 | * A | * TEI15 | * agreed |
| * S5-195479 | * Remove NR with wrong definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 28.624 | * 0002 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195480 | * Remove not used abbreviation to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 28.625 | * 0003 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195469 | * Correction of NR to NCR and Remove not needed abbreviations | * Ericsson Telecomunicazioni SpA | * 28.655 | * 0009 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195475 | * Correct references and add reference to TR21.905 | * Ericsson Telecomunicazioni SpA | * 28.662 | * 0009 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195477 | * Correct references and add definition of NRM | * Ericsson Telecomunicazioni SpA | * 28.663 | * 0020 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195249 | * Rel-16 CR 32.254 Update of NEF API Charging Information | * Ericsson | * 32.254 | * 0009 | * - | * Rel-16 | * B | * 5GS\_Ph1\_NEFCH | * revised |
| * S5-195574 | * Rel-16 CR 32.254 Update of NEF API Charging Information | * Ericsson | * 32.254 | * 0009 | * 1 | * Rel-16 | * B | * 5GS\_Ph1\_NEFCH | * agreed |
| * S5-195251 | * Rel-16 CR 32.254 Addition of detailed message format for converged charging | * Ericsson | * 32.254 | * 0010 | * - | * Rel-16 | * B | * 5GS\_Ph1\_NEFCH | * revised |
| * S5-195575 | * Rel-16 CR 32.254 Addition of detailed message format for converged charging | * Ericsson | * 32.254 | * 0010 | * 1 | * Rel-16 | * B | * 5GS\_Ph1\_NEFCH | * agreed |
| * S5-195096 | * Rel-16 CR 32.255 Correction of Serving Node change | * China Mobile Com. Corporation | * 32.255 | * 0074 | * - | * Rel-16 | * A | * TEI16 | * revised |
| * S5-195730 | * Rel-16 CR 32.255 Correction of Serving Node change | * China Mobile Com. Corporation | * 32.255 | * 0074 | * 1 | * Rel-16 | * A | * TEI16 | * agreed |
| * S5-195097 | * Rel-15 CR 32.255 Correction of Serving Node change | * China Mobile Com. Corporation | * 32.255 | * 0075 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-195729 | * Rel-15 CR 32.255 Correction of Serving Node change | * China Mobile Com. Corporation | * 32.255 | * 0075 | * 1 | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195234 | * Rel-16 CR 32.255 Correction of Termination action | * Ericsson | * 32.255 | * 0076 | * - | * Rel-16 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-195758 | * Rel-16 CR 32.255 Correction of Termination action | * Ericsson | * 32.255 | * 0076 | * 1 | * Rel-16 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-195306 | * Rel-15 CR 32.255 Add the selection model in PDU session information | * Huawei | * 32.255 | * 0077 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-195785 | * Rel-15 CR 32.255 Add the selection model in PDU session information | * Huawei | * 32.255 | * 0077 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-195307 | * Rel-15 CR 32.255 Add the access type | * Huawei | * 32.255 | * 0078 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195308 | * Rel-15 CR 32.255 Add the access type change trigger | * Huawei | * 32.255 | * 0079 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195311 | * Rel-15 CR 32.255 coordination of information element category | * Huawei | * 32.255 | * 0080 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-195791 | * Rel-15 CR 32.255 coordination of information element category | * Huawei | * 32.255 | * 0080 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-195312 | * Rel-15 CR 32.255 correction of PDU session charging information definition | * Huawei | * 32.255 | * 0081 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-195328 | * Rel-16 CR 32.255 Clarification on RAT Type change | * Huawei | * 32.255 | * 0082 | * - | * Rel-16 | * B | * 5GIEPC\_CH | * revised |
| * S5-195573 | * Rel-16 CR 32.255 Clarification on RAT Type change | * Huawei | * 32.255 | * 0082 | * 1 | * Rel-16 | * B | * 5GIEPC\_CH | * agreed |
| * S5-195342 | * Rel-16 CR 32.255 Add the selection model in PDU session information | * Huawei | * 32.255 | * 0083 | * - | * Rel-16 | * A | * 5GS\_Ph1-DCH | * revised |
| * S5-195786 | * Rel-16 CR 32.255 Add the selection model in PDU session information | * Huawei | * 32.255 | * 0083 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-DCH | * agreed |
| * S5-195343 | * Rel-16 CR 32.255 Add the access type | * Huawei | * 32.255 | * 0084 | * - | * Rel-16 | * A | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195344 | * Rel-16 CR 32.255 Add the access type change trigger | * Huawei | * 32.255 | * 0085 | * - | * Rel-16 | * A | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195346 | * Rel-16 CR 32.255 coordination of information element category | * Huawei | * 32.255 | * 0086 | * - | * Rel-16 | * A | * 5GS\_Ph1-DCH | * revised |
| * S5-195792 | * Rel-16 CR 32.255 coordination of information element category | * Huawei | * 32.255 | * 0086 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-DCH | * agreed |
| * S5-195347 | * Rel-16 CR 32.255 correction of PDU session charging information definition | * Huawei | * 32.255 | * 0087 | * - | * Rel-16 | * A | * 5GS\_Ph1-DCH | * agreed |
| * S5-195366 | * Rel-15 CR 32.255 Add the Failure handling support | * Huawei, China Mobile | * 32.255 | * 0088 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195370 | * Rel-16 CR 32.255 Add the Failure handling support | * Huawei, China Mobile | * 32.255 | * 0089 | * - | * Rel-16 | * A | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195464 | * Rel-16 CR 32.255 Correction of AF Charging Identifier naming | * Ericsson | * 32.255 | * 0090 | * - | * Rel-16 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-195802 | * Rel-16 CR 32.255 Correction of AF Charging Identifier naming | * Ericsson | * 32.255 | * 0090 | * 1 | * Rel-16 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-195067 | * Rel-16 CR 32.260 Correction of BGCF CDR description | * Nokia, Nokia Shanghai Bell | * 32.260 | * 0397 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-195326 | * Rel-16 CR 32.260 IMS converged charging architecture introducation. | * Huawei | * 32.260 | * 0398 | * - | * Rel-16 | * B | * 5GSIMSCH | * revised |
| * S5-195597 | * Rel-16 CR 32.260 IMS converged charging architecture introducation. | * Huawei | * 32.260 | * 0398 | * 1 | * Rel-16 | * B | * 5GSIMSCH | * not pursued |
| * S5-195327 | * Rel-16 CR 32.260 System Architecture to support SBA in IMS introduction | * Huawei | * 32.260 | * 0399 | * - | * Rel-16 | * B | * 5GSIMSCH | * not pursued |
| * S5-195253 | * Rel-16 CR 32.275 Addition of converged charging architecture | * Ericsson | * 32.275 | * 0068 | * 1 | * Rel-16 | * B | * 5GSIMSCH | * revised |
| * S5-195587 | * Rel-16 CR 32.275 Addition of converged charging architecture | * Ericsson | * 32.275 | * 0068 | * 2 | * Rel-16 | * B | * 5GSIMSCH | * agreed |
| * S5-195254 | * Rel-16 CR 32.275 Addition of converged charging scenarios | * Ericsson | * 32.275 | * 0069 | * 1 | * Rel-16 | * B | * 5GSIMSCH | * revised |
| * S5-195588 | * Rel-16 CR 32.275 Addition of converged charging scenarios | * Ericsson | * 32.275 | * 0069 | * 2 | * Rel-16 | * B | * 5GSIMSCH | * agreed |
| * S5-195255 | * Rel-16 CR 32.275 Addition of applicable Triggers for converged charging | * Ericsson | * 32.275 | * 0070 | * 1 | * Rel-16 | * B | * 5GSIMSCH | * revised |
| * S5-195589 | * Rel-16 CR 32.275 Addition of applicable Triggers for converged charging | * Ericsson | * 32.275 | * 0070 | * 2 | * Rel-16 | * B | * 5GSIMSCH | * agreed |
| * S5-195256 | * Rel-16 CR 32.275 Addition of converged charging message flows | * Ericsson | * 32.275 | * 0071 | * 1 | * Rel-16 | * B | * 5GSIMSCH | * not pursued |
| * S5-195257 | * Rel-16 CR 32.275 Addition of converged charging CDR handling | * Ericsson | * 32.275 | * 0072 | * 1 | * Rel-16 | * B | * 5GSIMSCH | * revised |
| * S5-195590 | * Rel-16 CR 32.275 Addition of converged charging CDR handling | * Ericsson | * 32.275 | * 0072 | * 2 | * Rel-16 | * B | * 5GSIMSCH | * agreed |
| * S5-195258 | * Rel-16 CR 32.281 Addition of converged charging architecture | * Ericsson | * 32.281 | * 0003 | * 1 | * Rel-16 | * B | * 5GSIMSCH | * revised |
| * S5-195591 | * Rel-16 CR 32.281 Addition of converged charging architecture | * Ericsson | * 32.281 | * 0003 | * 2 | * Rel-16 | * B | * 5GSIMSCH | * agreed |
| * S5-195259 | * Rel-16 CR 32.281 Addition of converged charging basic principles | * Ericsson | * 32.281 | * 0004 | * 1 | * Rel-16 | * B | * 5GSIMSCH | * revised |
| * S5-195594 | * Rel-16 CR 32.281 Addition of converged charging basic principles | * Ericsson | * 32.281 | * 0004 | * 2 | * Rel-16 | * B | * 5GSIMSCH | * agreed |
| * S5-195260 | * Rel-16 CR 32.281 Addition of converged charging flows | * Ericsson | * 32.281 | * 0005 | * 1 | * Rel-16 | * B | * 5GSIMSCH | * revised |
| * S5-195595 | * Rel-16 CR 32.281 Addition of converged charging flows | * Ericsson | * 32.281 | * 0005 | * 2 | * Rel-16 | * B | * 5GSIMSCH | * not pursued |
| * S5-195261 | * Rel-16 CR 32.281 Addition of converged charging information principles | * Ericsson | * 32.281 | * 0006 | * 1 | * Rel-16 | * B | * 5GSIMSCH | * revised |
| * S5-195596 | * Rel-16 CR 32.281 Addition of converged charging information principles | * Ericsson | * 32.281 | * 0006 | * 2 | * Rel-16 | * B | * 5GSIMSCH | * agreed |
| * S5-195063 | * Rel-16 CR 32.290 Introduce event offline scenario | * Nokia, Nokia Shanghai Bell | * 32.290 | * 0053 | * - | * Rel-16 | * B | * 5GS\_Ph1\_AMFCH | * revised |
| * S5-195576 | * Rel-16 CR 32.290 Introduce event offline scenario | * Nokia, Nokia Shanghai Bell | * 32.290 | * 0053 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195065 | * Rel-16 CR 32.290 Introduction of a new operation for event offline charging | * Nokia, Nokia Shanghai Bell | * 32.290 | * 0054 | * - | * Rel-16 | * B | * 5GS\_Ph1\_AMFCH | * not pursued |
| * S5-195131 | * Rel-16 CR 32.290 Introduce AMF as a new NF consumer | * Nokia, Nokia Shanghai Bell | * 32.290 | * 0055 | * - | * Rel-16 | * B | * 5GS\_Ph1\_AMFCH | * revised |
| * S5-195592 | * Rel-16 CR 32.290 Introduce AMF as a new NF consumer | * Nokia, Nokia Shanghai Bell | * 32.290 | * 0055 | * 1 | * Rel-16 | * B | * 5GS\_Ph1\_AMFCH | * agreed |
| * S5-195238 | * Rel-15 CR 32.290 Correction of multipleQuotaInformation | * Ericsson | * 32.290 | * 0056 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195759 | * Rel-15 CR 32.290 Correction of Multiple Quota reference | * Ericsson | * 32.290 | * 0056 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195239 | * Rel-16 CR 32.290 Correction of multipleQuotaInformation | * Ericsson | * 32.290 | * 0057 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195760 | * Rel-16 CR 32.290 Correction of Multiple Quota reference | * Ericsson | * 32.290 | * 0057 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195296 | * Rel-15 CR 32.290 Add the NF services | * Huawei | * 32.290 | * 0058 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195769 | * Rel-15 CR 32.290 Add the NF services | * Huawei | * 32.290 | * 0058 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195297 | * Rel-15 CR 32.290 Add the Group ID for CHF registration | * Huawei | * 32.290 | * 0059 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195298 | * Rel-15 CR 32.290 Add the Service Context information | * Huawei | * 32.290 | * 0060 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195771 | * Rel-15 CR 32.290 Add the Service specification Information | * Huawei | * 32.290 | * 0060 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195299 | * Rel-15 CR 32.290 Correction on Trigger Mechanism | * Huawei | * 32.290 | * 0061 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195783 | * Rel-15 CR 32.290 Correction on Trigger Mechanism | * Huawei | * 32.290 | * 0061 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195309 | * Rel-15 CR 32.290 Clarification of Retry handling | * Huawei | * 32.290 | * 0062 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195716 | * Rel-15 CR 32.290 Clarification of Retry handling | * Huawei | * 32.290 | * 0062 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195313 | * Rel-15 CR 32.290 coordination of information element category | * Huawei | * 32.290 | * 0063 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195314 | * Rel-15 CR 32.290 correction of failure handling | * Huawei, China Mobile | * 32.290 | * 0064 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195618 | * Rel-15 CR 32.290 correction of failure handling | * Huawei, China Mobile | * 32.290 | * 0064 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195315 | * Rel-15 CR 32.290 correction of notify response | * Huawei | * 32.290 | * 0065 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195720 | * Rel-15 CR 32.290 correction of notify response | * Huawei | * 32.290 | * 0065 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195316 | * Rel-15 CR 32.290 event based charging refund mechanism | * Huawei | * 32.290 | * 0066 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195577 | * Rel-15 CR 32.290 event based charging mechanism | * Huawei | * 32.290 | * 0066 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195325 | * Rel-15 CR 32.290 Correction on response code handling | * Huawei | * 32.290 | * 0067 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195718 | * Rel-15 CR 32.290 Correction on response code handling | * Huawei | * 32.290 | * 0067 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195332 | * Rel-16 CR 32.290 Add the NF services | * Huawei | * 32.290 | * 0068 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195770 | * Rel-16 CR 32.290 Add the NF services | * Huawei | * 32.290 | * 0068 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195333 | * Rel-16 CR 32.290 Add the Group ID for CHF registration | * Huawei | * 32.290 | * 0069 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195334 | * Rel-16 CR 32.290 Add the Service Context information | * Huawei | * 32.290 | * 0070 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195772 | * Rel-16 CR 32.290 Add the Service specification Information | * Huawei | * 32.290 | * 0070 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195335 | * Rel-16 CR 32.290 Correction on Trigger Mechanism | * Huawei | * 32.290 | * 0071 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195784 | * Rel-16 CR 32.290 Correction on Trigger Mechanism | * Huawei | * 32.290 | * 0071 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195345 | * Rel-16 CR 32.290 Clarification of Retry handling | * Huawei | * 32.290 | * 0072 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195717 | * Rel-16 CR 32.290 Clarification of Retry handling | * Huawei | * 32.290 | * 0072 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195348 | * Rel-16 CR 32.290 coordination of information element category | * Huawei | * 32.290 | * 0073 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195349 | * Rel-16 CR 32.290 correction of failure handling | * Huawei,China Mobile | * 32.290 | * 0074 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195712 | * Rel-16 CR 32.290 correction of failure handling | * Huawei,China Mobile | * 32.290 | * 0074 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195350 | * Rel-16 CR 32.290 correction of notify response | * Huawei | * 32.290 | * 0075 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195721 | * Rel-16 CR 32.290 correction of notify response | * Huawei | * 32.290 | * 0075 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195351 | * Rel-16 CR 32.290 event based charging refund mechanism | * Huawei | * 32.290 | * 0076 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195578 | * Rel-16 CR 32.290 event based charging mechanism | * Huawei | * 32.290 | * 0076 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195360 | * Rel-16 CR 32.290 Correction on response code handling | * Huawei | * 32.290 | * 0077 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195719 | * Rel-16 CR 32.290 Correction on response code handling | * Huawei | * 32.290 | * 0077 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195367 | * Rel-15 CR 32.290 Add the Failure handling support | * Huawei, China Mobile | * 32.290 | * 0078 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195371 | * Rel-16 CR 32.290 Add the Failure handling support | * Huawei, China Mobile | * 32.290 | * 0079 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195593 | * Rel-15 CR 32.290 Introduce event offline scenario | * Nokia, Nokia Shanghai Bell | * 32.290 | * 0080 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195070 | * Rel-15 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer | * China Mobile Com. Corporation | * 32.291 | * 0081 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195724 | * Rel-15 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer | * China Mobile Com. Corporation | * 32.291 | * 0081 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195071 | * Rel-16 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer | * China Mobile Com. Corporation | * 32.291 | * 0082 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195725 | * Rel-16 CR 32.291 Correction of nfConsumerIdentifier and usedUnitContainer | * China Mobile Com. Corporation | * 32.291 | * 0082 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195072 | * Rel-15 CR 32.291 Correction of TriggerCategory and Triggers | * China Mobile Com. Corporation | * 32.291 | * 0083 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195073 | * Rel-16 CR 32.291 Correction of TriggerCategory and Triggers | * China Mobile Com. Corporation | * 32.291 | * 0084 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195728 | * Rel-16 CR 32.291 Correction of TriggerCategory and Triggers | * China Mobile Com. Corporation | * 32.291 | * 0084 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195202 | * Rel-15 CR 32.291 Correction of Report Time in QFI Container Information | * Ericsson | * 32.291 | * 0085 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195754 | * Rel-15 CR 32.291 Correction of Report Time in QFI Container Information | * Ericsson | * 32.291 | * 0085 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195203 | * Rel-16 CR 32.291 Correction of Report Time in QFI Container Information | * Ericsson | * 32.291 | * 0086 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195755 | * Rel-16 CR 32.291 Correction of Report Time in QFI Container Information | * Ericsson | * 32.291 | * 0086 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195204 | * Rel-15 CR 32.291 Correction of SubscriptionIdentificationType | * Ericsson | * 32.291 | * 0087 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195756 | * Rel-15 CR 32.291 Correction of SubscriptionIdentificationType | * Ericsson | * 32.291 | * 0087 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195205 | * Rel-16 CR 32.291 Correction of SubscriptionIdentificationType | * Ericsson | * 32.291 | * 0088 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195757 | * Rel-16 CR 32.291 Correction of SubscriptionIdentificationType | * Ericsson | * 32.291 | * 0088 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195206 | * Rel-15 CR 32.291 Correction of nfConsumerIdentification as required | * Ericsson | * 32.291 | * 0089 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195207 | * Rel-16 CR 32.291 Correction of nfConsumerIdentification as required | * Ericsson | * 32.291 | * 0090 | * - | * Rel-16 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195235 | * Rel-15 CR 32.291 Correction of multipleQuotaInformation | * Ericsson | * 32.291 | * 0091 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195761 | * Rel-15 CR 32.291 Correction of multipleQuotaInformation | * Ericsson | * 32.291 | * 0091 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195237 | * Rel-16 CR 32.291 Correction of multipleQuotaInformation | * Ericsson | * 32.291 | * 0092 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195762 | * Rel-16 CR 32.291 Correction of multipleQuotaInformation | * Ericsson | * 32.291 | * 0092 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195243 | * Rel-15 CR 32.291 Correction of HTTP Status Codes | * Ericsson | * 32.291 | * 0093 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195796 | * Rel-15 CR 32.291 Correction of HTTP Status Codes | * Ericsson | * 32.291 | * 0093 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195245 | * Rel-16 CR 32.291 Correction of HTTP Status Codes | * Ericsson | * 32.291 | * 0094 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195797 | * Rel-16 CR 32.291 Correction of HTTP Status Codes | * Ericsson | * 32.291 | * 0094 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195246 | * Rel-15 CR 32.291 Correction of RoamingQBCInformation in Binding of 5G data connectivity | * Ericsson | * 32.291 | * 0095 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195247 | * Rel-16 CR 32.291 Correction of RoamingQBCInformation in Binding of 5G data connectivity | * Ericsson | * 32.291 | * 0096 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195248 | * Rel-15 CR 32.291 Correction of version numbering | * Ericsson | * 32.291 | * 0097 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195767 | * Rel-15 CR 32.291 Correction of version numbering | * Ericsson | * 32.291 | * 0097 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195300 | * Rel-15 CR 32.291 Correct the QoS Change Trigger | * Huawei | * 32.291 | * 0098 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195303 | * Rel-15 CR 32.291 Add the selection model in PDU session information | * Huawei | * 32.291 | * 0099 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195789 | * Rel-15 CR 32.291 Add the selection model in PDU session information | * Huawei | * 32.291 | * 0099 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195304 | * Rel-15 CR 32.291 Add access type | * Huawei | * 32.291 | * 0100 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195305 | * Rel-15 CR 32.291 Add access type change | * Huawei | * 32.291 | * 0101 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195317 | * Rel-15 CR 32.291 event based charging mechanism | * Huawei | * 32.291 | * 0102 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195579 | * Rel-15 CR 32.291 event based charging mechanism | * Huawei | * 32.291 | * 0102 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195318 | * Rel-15 CR 32.291 Bindings of common field correction | * Huawei | * 32.291 | * 0103 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195763 | * Rel-15 CR 32.291 Bindings of common field correction | * Huawei | * 32.291 | * 0103 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195319 | * Rel-15 CR 32.291 coordination of attribute Presence condition | * Huawei | * 32.291 | * 0104 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195793 | * Rel-15 CR 32.291 coordination of attribute Presence condition | * Huawei | * 32.291 | * 0104 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195320 | * Rel-15 CR 32.291 Bindings for 5G data connectivity correction | * Huawei | * 32.291 | * 0105 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195765 | * Rel-15 CR 32.291 Bindings for 5G data connectivity correction | * Huawei | * 32.291 | * 0105 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195321 | * Rel-15 CR 32.291 correction of data structure of response body | * Huawei | * 32.291 | * 0106 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195798 | * Rel-15 CR 32.291 correction of data structure of response body | * Huawei | * 32.291 | * 0106 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195322 | * Rel-15 CR 32.291 correction of serving Network Function identifier | * Huawei | * 32.291 | * 0107 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195330 | * Rel-16 CR 32.291 Correct datetime description in data model | * Huawei | * 32.291 | * 0108 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195331 | * Rel-15 CR 32.291 Correct datetime description in data model | * Huawei | * 32.291 | * 0109 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195336 | * Rel-16 CR 32.291 Correct the QoS Change Trigger | * Huawei | * 32.291 | * 0110 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195339 | * Rel-16 CR 32.291 Add the selection model in PDU session information | * Huawei | * 32.291 | * 0111 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195790 | * Rel-16 CR 32.291 Add the selection model in PDU session information | * Huawei | * 32.291 | * 0111 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195340 | * Rel-16 CR 32.291 Add access type | * Huawei | * 32.291 | * 0112 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195341 | * Rel-16 CR 32.291 Add access type change | * Huawei | * 32.291 | * 0113 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195352 | * Rel-16 CR 32.291 event based charging refund mechanism | * Huawei | * 32.291 | * 0114 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195580 | * Rel-16 CR 32.291 event based charging mechanism | * Huawei | * 32.291 | * 0114 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195353 | * Rel-16 CR 32.291 Bindings of common field correction | * Huawei | * 32.291 | * 0115 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195764 | * Rel-16 CR 32.291 Bindings of common field correction | * Huawei | * 32.291 | * 0115 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195354 | * Rel-16 CR 32.291 coordination of attribute Presence condition | * Huawei | * 32.291 | * 0116 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195794 | * Rel-16 CR 32.291 coordination of attribute Presence condition | * Huawei | * 32.291 | * 0116 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195355 | * Rel-16 CR 32.291 Bindings for 5G data connectivity correction | * Huawei | * 32.291 | * 0117 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195766 | * Rel-16 CR 32.291 Bindings for 5G data connectivity correction | * Huawei | * 32.291 | * 0117 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195356 | * Rel-16 CR 32.291 correction of data structure of response body | * Huawei | * 32.291 | * 0118 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195799 | * Rel-16 CR 32.291 correction of data structure of response body | * Huawei | * 32.291 | * 0118 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195357 | * Rel-16 CR 32.291 correction of serving Network Function identifier | * Huawei | * 32.291 | * 0119 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195368 | * Rel-15 CR 32.291 Add the Failure handling support | * Huawei, China Mobile | * 32.291 | * 0120 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195372 | * Rel-16 CR 32.291 Add the Failure handling support | * Huawei, China Mobile | * 32.291 | * 0121 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195465 | * Rel-16 CR 32.291 Correction of AF Charging Identifier naming | * Ericsson | * 32.291 | * 0122 | * - | * Rel-16 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195815 | * Rel-16 CR 32.291 Correction of AF Charging Identifier naming | * Ericsson | * 32.291 | * 0122 | * 1 | * Rel-16 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195817 | * Rel-15 CR 32.291 Corrections on OpenAPI | * Huawei | * 32.291 | * 0123 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195818 | * Rel-16 CR 32.291 Corrections on OpenAPI | * Huawei | * 32.291 | * 0124 | * - | * Rel-16 | * - | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195726 | * Rel-15 CR 32.291 Correction on OpenAPI version | * Huawei | * 32.291 | * 0125 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195727 | * Rel-16 CR 32.291 Correction on OpenAPI version | * Huawei | * 32.291 | * 0126 | * - | * Rel-16 | * B | * TEI16 | * agreed |
| * S5-195768 | * Rel-16 CR 32.291 Correction of version numbering | * Ericsson | * 32.291 | * 0127 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195066 | * Rel-16 CR 32.297 Introduce AMF and Rel-16 | * Nokia, Nokia Shanghai Bell | * 32.297 | * 0034 | * - | * Rel-16 | * B | * 5GS\_Ph1\_AMFCH | * revised |
| * S5-195581 | * Rel-16 CR 32.297 Introduce AMF and Rel-16 | * Nokia, Nokia Shanghai Bell | * 32.297 | * 0034 | * 1 | * Rel-16 | * B | * 5GS\_Ph1\_AMFCH | * agreed |
| * S5-195132 | * Rel-15 CR 32.297 Correction of reference architecture in 5G | * Nokia, Nokia Shanghai Bell | * 32.297 | * 0035 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195731 | * Rel-15 CR 32.297 Correction of reference architecture in 5G | * Nokia, Nokia Shanghai Bell | * 32.297 | * 0035 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195133 | * Rel-16 CR 32.297 Correction of reference architecture in 5G | * Nokia, Nokia Shanghai Bell | * 32.297 | * 0036 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195753 | * Rel-16 CR 32.297 Correction of reference architecture in 5G | * Nokia, Nokia Shanghai Bell | * 32.297 | * 0036 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-195068 | * Rel-16 CR 32.298 Correction of BGCF CDR description | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0723 | * - | * Rel-16 | * F | * TEI16 | * agreed |
| * S5-195101 | * Rel-15 CR 32.298 Correction on NetworkFunctionality | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0724 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195102 | * Rel-16 CR 32.298 Correction on NetworkFunctionality | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0725 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195200 | * Rel-15 CR 32.298 Correction of NetworkFunctionInformation | * Ericsson | * 32.298 | * 0726 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195819 | * Rel-15 CR 32.298 Correction of NetworkFunctionInformation | * Ericsson | * 32.298 | * 0726 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195201 | * Rel-16 CR 32.298 Correction of NetworkFunctionInformation | * Ericsson | * 32.298 | * 0727 | * - | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195795 | * Rel-16 CR 32.298 Correction of NetworkFunctionInformation | * Ericsson | * 32.298 | * 0727 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195241 | * Rel-15 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes | * Ericsson | * 32.298 | * 0728 | * - | * Rel-15 | * F | * CIoT-CH | * revised |
| * S5-195722 | * Rel-15 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes | * Ericsson | * 32.298 | * 0728 | * 1 | * Rel-15 | * F | * CIoT-CH | * agreed |
| * S5-195242 | * Rel-16 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes | * Ericsson | * 32.298 | * 0729 | * - | * Rel-16 | * A | * CIoT-CH | * revised |
| * S5-195723 | * Rel-16 CR 32.298 Serving PLMN Rate Control in List of Traffic Data Volumes | * Ericsson | * 32.298 | * 0729 | * 1 | * Rel-16 | * A | * CIoT-CH | * agreed |
| * S5-195301 | * Rel-15 CR 32.298 Add the selection model in PDU session information | * Huawei | * 32.298 | * 0730 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-195787 | * Rel-15 CR 32.298 Add the selection model in PDU session information | * Huawei | * 32.298 | * 0730 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-195302 | * Rel-15 CR 32.298 Add the access type | * Huawei | * 32.298 | * 0731 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195323 | * Rel-15 CR 32.298 coordination of CHF CDR parameters category | * Huawei | * 32.298 | * 0732 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195324 | * Rel-15 CR 32.298 Correct inconsistent CHF CDR parameter | * Huawei | * 32.298 | * 0733 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-195800 | * Rel-15 CR 32.298 Correct inconsistent CHF CDR parameter | * Huawei | * 32.298 | * 0733 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-195337 | * Rel-16 CR 32.298 Add the selection model in PDU session information | * Huawei | * 32.298 | * 0734 | * - | * Rel-16 | * A | * 5GS\_Ph1-DCH | * revised |
| * S5-195788 | * Rel-16 CR 32.298 Add the selection model in PDU session information | * Huawei | * 32.298 | * 0734 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-DCH | * agreed |
| * S5-195338 | * Rel-16 CR 32.298 Add the access type | * Huawei | * 32.298 | * 0735 | * - | * Rel-16 | * A | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195358 | * Rel-16 CR 32.298 coordination of CHF CDR parameters category | * Huawei | * 32.298 | * 0736 | * - | * Rel-16 | * A | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195359 | * Rel-16 CR 32.298 Correct inconsistent CHF CDR parameter | * Huawei | * 32.298 | * 0737 | * - | * Rel-16 | * A | * 5GS\_Ph1-DCH | * revised |
| * S5-195801 | * Rel-16 CR 32.298 Correct inconsistent CHF CDR parameter | * Huawei | * 32.298 | * 0737 | * 1 | * Rel-16 | * A | * 5GS\_Ph1-DCH | * agreed |
| * S5-195369 | * Rel-15 CR 32.298 Add the Failure handling support | * Huawei, China Mobile | * 32.298 | * 0738 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195373 | * Rel-16 CR 32.298 Add the Failure handling support | * Huawei, China Mobile | * 32.298 | * 0739 | * - | * Rel-16 | * A | * 5GS\_Ph1-DCH | * not pursued |
| * S5-195467 | * Rel-16 CR 32.298 Correction of AF Charging Identifier naming | * Ericsson | * 32.298 | * 0740 | * - | * Rel-16 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-195816 | * Rel-16 CR 32.298 Correction of AF Charging Identifier naming | * Ericsson | * 32.298 | * 0740 | * 1 | * Rel-16 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-195474 | * Correct definition of NR to align with RAN2 | * Ericsson Telecomunicazioni SpA | * 32.302 | * 0013 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195482 | * Remove wrong definition of NR as abbreviation to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 32.312 | * 0014 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195089 | * Rel-15 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422 | * China Telecommunications | * 32.421 | * 0077 | * - | * Rel-15 | * A | * TEI15 | * agreed |
| * S5-195090 | * Rel-14 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422 | * China Telecommunications | * 32.421 | * 0078 | * - | * Rel-14 | * A | * OAM-ePM-UE | * agreed |
| * S5-195091 | * Rel-13 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422 | * China Telecommunications | * 32.421 | * 0079 | * - | * Rel-13 | * A | * OAM-ePM-UE | * agreed |
| * S5-195092 | * Rel-12 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422 | * China Telecommunications | * 32.421 | * 0080 | * - | * Rel-12 | * A | * OAM-ePM-UE | * agreed |
| * S5-195093 | * Rel-11 CR TS 32.421 Add the missing requirements on RCEF reports to align with TS 32.422 | * China Telecommunications | * 32.421 | * 0081 | * - | * Rel-11 | * F | * OAM-ePM-UE | * agreed |
| * S5-195417 | * Add measurements related to extended QCI1 Retainability monitoring | * Nokia, Nokia Shanghai Bell | * 32.425 | * 0198 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195936 | * Add measurements related to extended QCI1 Retainability monitoring | * Nokia, Nokia Shanghai Bell | * 32.425 | * 0198 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195226 | * CR Rel-8 32.426 Correct description of measurement KPI of paging | * Huawei | * 32.426 | * 0080 | * - | * Rel-8 | * F | * OAM8 | * agreed |
| * S5-195227 | * CR Rel-9 32.426 Correct description of measurement KPI of paging | * Huawei | * 32.426 | * 0081 | * - | * Rel-9 | * A | * OAM8 | * agreed |
| * S5-195228 | * CR Rel-10 32.426 Correct description of measurement KPI of paging | * Huawei | * 32.426 | * 0082 | * - | * Rel-10 | * A | * OAM8 | * agreed |
| * S5-195229 | * CR Rel-11 32.426 Correct description of measurement KPI of paging | * Huawei | * 32.426 | * 0083 | * - | * Rel-11 | * A | * OAM8 | * agreed |
| * S5-195230 | * CR Rel-12 32.426 Correct description of measurement KPI of paging | * Huawei | * 32.426 | * 0084 | * - | * Rel-12 | * A | * OAM8 | * agreed |
| * S5-195231 | * CR Rel-13 32.426 Correct description of measurement KPI of paging | * Huawei | * 32.426 | * 0085 | * - | * Rel-13 | * A | * OAM8 | * agreed |
| * S5-195232 | * CR Rel-14 32.426 Correct description of measurement KPI of paging | * Huawei | * 32.426 | * 0086 | * - | * Rel-14 | * A | * OAM8 | * agreed |
| * S5-195233 | * CR Rel-15 32.426 Correct description of measurement KPI of paging | * Huawei | * 32.426 | * 0087 | * - | * Rel-15 | * A | * OAM8 | * agreed |
| * S5-195418 | * Add new specification requirement related to extended QCI1 Retainability monitoring | * Nokia, Nokia Shanghai Bell | * 32.451 | * 0006 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-195950 | * Add new specification requirement related to extended QCI1 Retainability monitoring | * Nokia, Nokia Shanghai Bell | * 32.451 | * 0006 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-195483 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 32.600 | * 0004 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195486 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 32.600 | * 0005 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195492 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 32.602 | * 0014 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195485 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 32.606 | * 0006 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195491 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 32.612 | * 0028 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195487 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 32.616 | * 0007 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195488 | * Correction of NR definition to avoid misalignment with SA2 | * Ericsson Telecomunicazioni SpA | * 32.661 | * 0006 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195493 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 32.662 | * 0018 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195489 | * Correction of NR definition to avoid misalignment with RAN2 | * Ericsson Telecomunicazioni SpA | * 32.666 | * 0006 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195490 | * Correction of NR definition to avoid misalignment with RAN2 in 32.690 | * Ericsson Telecomunicazioni SpA | * 32.690 | * 0003 | * - | * Rel-15 | * F | * TEI15 | * withdrawn |
| * S5-195541 | * Correction of NR definition to avoid misalignment with RAN2 in 32.690 | * Ericsson Telecomunicazioni SpA | * 32.690 | * 0004 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-195264 | * Rel-16 CR TR 32.972 Correct external reference version number | * Orange | * 32.972 | * 0001 | * - | * Rel-16 | * F | * FS\_EE\_5G | * agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| * S5-195040 |  | * Resubmitted LS from RAN1 to SA5 on LS on completion of CLI-RIM in RAN1 | * R1-1903676 | * noted | * (none) |
| * S5-195041 |  | * Resubmitted LS from RAN2 to SA2 and SA5 on IAB impact to CN | * R2-1905475 | * noted | * (none) |
| * S5-195042 |  | * Resubmitted Reply LS from RAN2 to SA5 on the user plane latency measurement | * R2-1908144 | * postponed | * (none) |
| * S5-195043 |  | * Resubmitted Reply LS from RAN3 to SA5 on L1 and L2 measurements | * R3-192122 | * replied to | * S5-195941 |
| * S5-195044 |  | * Resubmitted Reply LS from RAN3 to SA5 on PDCP end user throughput measurements | * R3-192124 | * noted | * (none) |
| * S5-195045 |  | * Resubmitted Reply LS from RAN3 ccSA5 on 5G\_URLLC | * R3-192179 | * noted | * (none) |
| * S5-195046 |  | * Resubmitted LS from RAN3 to SA5 on OAM requirements for RIM | * R3-193245 | * replied to | * S5-195622 |
| * S5-195047 |  | * Resubmitted LS from SA2 ccSA5 on QoS Monitoring | * S2-1904761 | * noted | * (none) |
| * S5-195048 |  | * Resubmitted Reply LS from RAN3 ccSA5 on QoS Monitoring | * R3-193282 | * noted | * (none) |
| * S5-195049 |  | * Resubmitted LS reply from SA2 to SA5 on the slicing terminology and the role of S-NSSAI parameter | * S2-1902847 | * noted | * (none) |
| * S5-195050 |  | * Resubmitted LS from SA2 to SA5 on User Data Congestion Analytics | * S2-1906797 | * replied to | * S5-195623 |
| * S5-195051 |  | * Resubmitted LS from GSMA to SA2 and SA5 on VoWiFi – VoLTE handover | * GSMA | * postponed | * ???? |
| * S5-195052 |  | * Resubmitted LS from ITU-T to SA5 on cooperation on methodology harmonization and REST-based network management framework (reply to 3GPPTSGSA5-S5-185553 and 3GPP TSG SA5 - S5-187340) | * ITU-T SG2 | * postponed | * (none) |
| * S5-195053 |  | * Resubmitted LS from ITU-T to SA5 on Energy Efficiency on 5G (reply to 3GPP TSG SA5-S5-191344) | * ITU-T SG5 | * replied to | * S5-195667 |
| * S5-195054 |  | * Resubmitted LS from ITU-T to SA5 on new Recommendation Q.5020 (formerly Q.NS-LCMP): Protocol requirements and procedures for network slice lifecycle management | * ITU-T SG11 | * noted | * (none) |
| * S5-195055 |  | * Resubmitted Ls from GSMA to SA5 on NG116 Publication and GST Co-operation with 3GPP SA5 | * GSMA NEST | * replied to | * S5-195433 |
| * S5-195056 |  | * Resubmitted LS from ETSI TC LI to SA5 on 5G Cell ID(s) in the 3GPP SA5 billing system | * ETSI TC LI | * replied to | * S5-195570 |
| * S5-195057 |  | * LS from BBF to SA5 on Femto Access Point Data Model Issue 2 (FAP:2) Updates | * BBF | * noted | * (none) |
| * S5-195058 |  | * LS from NGMN to SA5 on NGMN 5G End-to-End Architecture Framework | * NGMN | * noted | * (none) |
| * S5-195059 |  | * LS from SA2 to SA5 on PCF and NEF discovery for Edge Computing | * S2-1904837 | * noted | * (none) |
| * S5-195060 |  | * LS from SA2 to SA5 on Reporting all Cell IDs in 5G | * S2-1908634 | * noted | * (none) |
| * S5-195061 |  | * LS from ITU-T to SA5 on approval of ITU-T Recommendation Y.3172 “Architectural framework for machine learning in future networks including IMT-2020” | * ITU-T | * noted | * (none) |
| * S5-195062 |  | * LS from ITU-T to SA5 on LS/r on ITU-T Q.5020 completion (reply to ETSI NFV ISG-NFV(10)000095R1) | * ITU-T SG11 | * noted | * (none) |
| * S5-195069 |  | * LS from 3GPP SA3-LI cc SA5 on Reporting all Cell IDs in 5G | * S3i190461 | * noted | * (none) |
| * S5-195546 |  | * LS from NGMN to SA5 on Network Management and Orchestration Requirements for 5G | * NGMN | * noted | * (none) |
| * S5-195567 |  | * LS from SA4 cc SA5 on TS 26.501 5G Media Streaming (5GMS); General description and architecture (S4h190837/S2-1906842) | * S4-191003 | * noted | * (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| * S5-195433 | * LS reply from 3GPP SA5 to GSMA for GST | * GSMA | * - | * S5-195055 |
| * S5-195570 | * Reply to: Resubmitted LS from ETSI TC LI to SA5 on 5G Cell ID(s) in the 3GPP SA5 billing system | * ETSI TC LI | * - | * S5-195056 |
| * S5-195582 | * LS to SA2 Introduction of CHF Address from PCF | * SA2 | * - |  |
| * S5-195622 | * Reply to: Resubmitted LS from RAN3 to SA5 on OAM requirements for RIM | * RAN3,RAN1 | * - | * S5-195046 |
| * S5-195623 | * Reply LS on User Data Congestion Analytics | * SA2 | * RAN3 | * S5-195050 |
| * S5-195659 | * LS on Quality of experience measurement collection | * CT1,RAN2,RAN3,SA4 | * - |  |
| * S5-195667 | * LS reply on energy efficiency | * ITU-T SG5 | * SA | * S5-195053 |
| * S5-195941 | * Reply to: Resubmitted Reply LS from RAN3 to SA5 on L1 and L2 measurements | * RAN3,RAN2 | * - | * S5-195043 |

## Annex D: List of agreed/approved new and revised Work Items

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| * S5-195631 | * New SID Study on Management Data Analytics Service | * Intel, NEC, Deutsche Telekom AG, HUAWEI, ZTE, T-Mobile, AT&T, China Telecom, China Mobile, Verizon UK Ltd, China Unicom, P.I. Works, ETRI,Ericsson,Nokia | * SID new |
| * S5-195633 | * new SID on study on KPI reporting | * ZTE, China Telecom, Intel | * SID new |
| * S5-195944 | * New SID on levels of autonomous network | * China Mobile, Huawei, ZTE | * SID new |
| * S5-195954 | * New Study on management aspects of 5G Service-Level Agreement | * China Mobile E-Commerce Co. | * SID new |
| * S5-195571 | * New WID on Charging aspects of Enhancing Topology of SMF and UPF in 5G Networks | * China Mobile Com. Corporation | * WID new |
| * S5-195572 | * New WID on Network Slice Charging in 5G System | * Huawei | * WID new |
| * S5-195627 | * New WID on Closed loop SLS assurance | * Ericsson India Private Limited, Deutsche Telekom | * WID new |
| * S5-195628 | * New WID on Streaming trace reporting | * Nokia, Nokia Shanghai Bell | * WID new |
| * S5-195899 | * New WID on Self-Organizing Networks (SON) for 5G networks | * Intel Corporation (UK) Ltd | * WID new |
| * S5-195942 | * New WID on enhancement of 3GPP management system for multiple tenant envorinment support | * Huawei | * WID new |
| * S5-195952 | * New WID on Network Slice Management Charging in 5G System | * Nokia | * WID new |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| * S5-195655 | * 28.404 | * 1.2.0 | * Draft TS 28.404 |
| * S5-195657 | * 28.405 | * 0.8.0 | * Draft TS 28.405 |
| * S5-195658 | * 28.308 | * 0.2.0 | * Draft TS 28.308 |
| * S5-195661 | * 28.310 | * 0.5.0 | * Draft TS 28.310 |
| * S5-195676 | * 28.812 | * 0.7.0 | * Draft TR 28.812 |
| * S5-195809 | * 28.804 | * 0.6.0 | * Draft TR 28.804 |
| * S5-195820 | * 32.256 | * 0.4.0 | * Draft TS 32.256 |
| * S5-195821 | * 32.845 | * 0.6.0 | * Draft TR 32.845 |
| * S5-195838 | * 28.805 | * 1.2.0 | * Draft TR 28.805 |
| * S5-195844 | * 28.311 | * 0.4.0 | * Draft TS 28.311 |
| * S5-195848 | * 32.160 | * 1.4.0 | * Draft TS 32.160 |
| * S5-195877 | * 28.806 | * 0.2.0 | * Draft TR 28.806 |
| * S5-195882 | * 28.807 | * 0.1.0 | * Draft TR 28.807 |
| * S5-195892 | * 28.861 | * 0.7.0 | * Draft TR 28.861 |
| * S5-195940 | * 28.808 | * 0.2.0 | * Draft TR 28.808 |

## Annex F: List of participants

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented | Organization Represented Category Code |
| Dr. | Al-kanani | Hassan | NEC Europe Ltd | NEC Europe Ltd | ETSI |
| Mr. | Andrianov | Anatoly | Nokia Germany | Nokia Japan | ARIB |
| Mr. | Aoyagi | Kenichiro | NTT DOCOMO INC. | NTT DOCOMO INC. | TTC |
| Mrs. | Ayani | Zhulia | Ericsson LM | Ericsson-LG Co., LTD | TTA |
| Dr. | Bogineni | Kalyani | Verizon UK Ltd | ETSI | ETSI |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI | ETSI |
| Miss | CHEN | SHAN | Huawei Tech.(UK) Co., Ltd | HUAWEI Technologies Japan K.K. | ARIB |
| Miss | Chen | Xiumin | China Telecommunications | China Telecommunications | ETSI |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | Intel Sweden AB | ETSI |
| Dr. | Cornily | Jean Michel | Orange | Orange Romania | ETSI |
| Miss | Dong | Jia | China Mobile E-Commerce Co. | China Mobile M2M Company Ltd. | CCSA |
| Mr. | Drijver | Floris | TNO | TNO | ETSI |
| Mr. | Edwards | Robert | Matrixx | Matrixx | ETSI |
| Mr. | Elmdahl | Per | Ericsson France S.A.S | Ericsson Telecomunicazioni SpA | ETSI |
| Dr. | Franklin | Antony | Indian Institute of Tech (H) | Indian Institute of Tech (H) | TSDSI |
| Mrs. | Gardella | Maryse | Nokia France | Nokia Belgium | ETSI |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | Samsung R&D Institute UK | ETSI |
| Mr. | Groenendijk | Jan | Ericsson LM | Ericsson España S.A. | ETSI |
| Miss | Guo | Shasha | China Mobile Com. Corporation | China Mobile Com. Corporation | CCSA |
| Mr. | Horvat | Attila | Huawei Technologies Sweden AB | Huawei Technologies Sweden AB | ETSI |
| Mr. | IJntema | Wieger | TNO | KPN N.V. | ETSI |
| Mr. | Jahangir | Zeeshan | T-Mobile USA Inc. | T-Mobile USA Inc. | ATIS |
| Miss | JIA | Xiaoqian | Huawei Technologies Co. Ltd. | Huawei Technologies Japan K.K. | TTC |
| Mr. | Kim | Jeong Yun | ETRI | ETRI | TTA |
| Mr. | Klotz | Michael | Deutsche Telekom AG | Deutsche Telekom AG | ETSI |
| Dr. | Kollar | Martin | Nokia Solutions & Networks (I) | Nokia Solutions & Networks (I) | TSDSI |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | Ericsson Hungary Ltd | ETSI |
| Mr. | Li | Duan | China Mobile Com. Corporation | China Mobile Com. Corporation | CCSA |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Nanjing Ericsson Panda Com Ltd | CCSA |
| Dr. | Liang | Ching-Feng | ITRI | ITRI | ETSI |
| Mr. | Mao | Binhong | China Telecommunications | China Telecom Corporation Ltd. | CCSA |
| Mr. | McNamee | Alan | Openet Telecom | Openet Telecom | ETSI |
| Mr. | MENG | WEI | ZTE Corporation | ZTE Wistron Telecom AB | ETSI |
| Mr. | MICHEL | Cyril | THALES | THALES | ETSI |
| Dr. | Mwanje | Stephen | Nokia | Nokia Germany | ETSI |
| Mr. | Petersen | Robert | Ericsson LM | Ericsson India Private Limited | TSDSI |
| Miss | Ping | Jing | Nokia Germany | Nokia Solutions & Networks (I) | TSDSI |
| Dr. | Pollakowski | Olaf | Nokia Germany | Nokia Germany | ETSI |
| Mr. | Potter | Benjamin | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL | ETSI |
| Mr. | Smith | David K. | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL | ETSI |
| Mr. | Song | Yongsoo | KRRI | KRRI | TTA |
| Mr. | Toche | Christian | Huawei Technologies France | Huawei Technologies R&D UK | ETSI |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson Japan K.K. | ARIB |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM | ETSI |
| Mr. | Treep | Harmjan | TNO | KPN N.V. | ETSI |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co., Ltd | HiSilicon Technologies Co. Ltd | CCSA |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel | ATIS |
| Mr. | Zhang | Kai | Huawei Tech.(UK) Co., Ltd | Huawei Device Co., Ltd | CCSA |
| Mr. | Zhu | Lei | Huawei Tech.(UK) Co., Ltd | Huawei Technologies Co. Ltd. | ETSI |
| Mr. | Zhu | Weihong | ZTE Corporation | ZTE Trunking Technology Corp. | CCSA |
| Miss | Zou | Lan | Huawei Tech.(UK) Co., Ltd | HuaWei Technologies Co., Ltd | CCSA |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| * SA5-OAM Ad Hoc | * 2019-10-21 | * 2019-10-25 | * Sophia Antipolis | * FR | * S5-ah-34467 |
| * SA5#128 | * 2019-11-18 | * 2019-11-22 | * Zhuhai | * CN | * S5-128 |