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

**Meeting Report  
for  
TSG SA WG5  
meeting: 121**

**Kochi, India, 08/10/2018 to 12/10/2018**

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## 1 Opening of the meeting

Vertika (IF3) welcomed the delegates to Kochi, in the district of Kerala (India). She gave the attendees a few of useful tips about the region.

## 2 Approval of the agenda

**S5-186000 Agenda**

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

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

## 3 IPR 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.

**S5-186001 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

**S5-186002 Report from last SA5 meeting**

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

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

### 4.2 Last SA meeting report

**S5-186003 SA5 status report at last SA meeting**

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

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

**S5-186004 SA5 results at last SA meeting**

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

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

### 4.3 Inter-organizational reports

## 5 Cross-SWG issues

### 5.1 Administrative issues at SA5 level

**S5-186005 Leaders meeting agenda**

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

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

**S5-186006 Leaders meeting minutes**

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

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

**S5-186007 SA5 Working Procedures**

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

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

**S5-186008 SA5 Meeting Facility Requirements**

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

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

**S5-186009 Process for management of draft TSs/TRs**

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

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

**S5-186010 CR Quality Check**

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

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

**S5-186011 Status of email approvals**

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

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

**S5-186279 SA WG5 5G TS overview (presented to SA#81)**

*Type: other For: Information  
 Source: Ericsson LM*

**Abstract:**

This document contains an overview of the new 5G TSs produced by SA5 in Rel-15, created on request by the SA chair at the SA#81 plenary and presented to the plenary.

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

### 5.2 Technical issues at SA5 level

### 5.3 Liaison statements at SA5 level

**S5-186045 LS from CT4 cc SA5 on API specification and API version number maintenance**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-186602*

**Discussion:**

Maryse (Nokia) commented that SA5 should have a look at this, although it was necessary to wait for CT's reaction in CT#82.

The Chairman commented that APIs are similar to the REST based interfaces of SA5, but some alignment was needed between CT and SA5 frameworks.

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

**S5-186046 Reply LS from TSG CT to SA5 on API specification and API version number maintenance**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: CP-182239*

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

**S5-186048 LS to SA5 on Joint ETSI - OSA Workshop: Open Implementations & Standardization**

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

**Discussion:**

It was noted that the workshop wasn't relevant with the management/charging work in SA5.

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

**S5-186050 Resubmitted LS from GSMA to SA5 on Publication of new paper on network slicing and future plans**

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

**Decision:** The document was **replied to in S5-186365**.

**S5-186365 Reply to: Resubmitted LS from GSMA to SA5 on Publication of new paper on network slicing and future plans**

*Type: LS out For: approval  
 to GSMA NEST, cc NGMN, TM Forum, Broadband Forum, ETSI ISG NFV, ETSI ZSM ISG, 3GPP SA1  
 Source: Ericsson*

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

**S5-186056 LS from RAN4 cc SA5 on RAN2 progress on ANR**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R4-1811851*

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

### 5.4 SA5 meeting calendar

**S5-186012 SA5 Meeting Calendar**

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

**Discussion:**

It was commented that there was a long time between August and November meetings in 2019. The Chair repled that it was always possible to arrange an ad-hoc if necessary.

Meeting in April 2020 would be alternative one with the possibility of co-locating with RAN2+3 in Japan.

**Decision:** The document was **revised to S5-186492**.

**S5-186492 SA5 Meeting Calendar**

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

(Replaces S5-186012)

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

### 5.5 Review of the Work Plan

**S5-186013 Deliverables due for the NEXT SA Plenary**

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

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

**S5-186014 Ongoing SA5 WIDs and SIDs**

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

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

**S5-186015 3GPP SA5 Work Plan**

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

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

**S5-186016 Work Plan status**

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

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

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-186017 Time Plan for OAM&P**

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

**Decision:** The document was **revised to S5-186285**.

**S5-186285 Time Plan for OAM&P**

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

(Replaces S5-186017)

**Decision:** The document was **revised to S5-186319**.

**S5-186319 Time Plan for OAM&P**

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

(Replaces S5-186285)

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

**S5-186018 OAM Executive Report**

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

**Decision:** The document was **revised to S5-186489**.

**S5-186489 OAM Executive Report**

*Type: report For: -  
 Source: WG Vice Chair (ORANGE)*

(Replaces S5-186018)

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

**S5-186019 OAM&P SWG action list**

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

**Decision:** The document was **revised to S5-186412**.

**S5-186412 OAM&P SWG action list**

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

(Replaces S5-186019)

**Decision:** The document was **revised to S5-186475**.

**S5-186475 OAM&P SWG action list**

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

(Replaces S5-186412)

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

**S5-186020 Minutes of OAM&P SWG opening session**

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

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

**S5-186049 Resubmitted LS from IETF to SA5 on Further Information About IETF Work Relevant to Network Slicing**

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

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

**S5-186051 Resubmitted Lsout from ETSI NFV (forwarded to SA5) to various organisations on usage of NFV Specifications**

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

**Decision:** The document was **replied to in S5-186317**.

**S5-186317 Reply to: Resubmitted Lsout from ETSI NFV (forwarded to SA5) to various organisations on usage of NFV Specifications**

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

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

**S5-186052 LS from ETSI NFV to SA5 on ETSI starts work on YANG models for Virtualised Network Function and Network Services Descriptor specification**

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

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

**S5-186053 LS from ETSI NFV to SA5 on Clarifications on support of priority of NFV NS in context of Network Slicing**

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

**Decision:** The document was **replied to in S5-186318**.

**S5-186318 Reply to: LS from ETSI NFV to SA5 on Clarifications on support of priority of NFV NS in context of Network Slicing**

*Type: LS out For: approval  
 to ETSI ISG NFV  
 Source: Huawei*

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

Attachments to this outgoing LS: S5-186413

**S5-186054 LSOut reply from ETSI NFV to 3GPP SA5 on connectivity among PNF and VNF instances**

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

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

**S5-186058 LS from SA2 to SA5 on Slice related Data Analytics**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-189049*

**Decision:** The document was **replied to in S5-186371**.

**S5-186059 Reply LS from SA3 cc SA5 on Bluetooth/WLAN measurement collection in MDT**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S3-182592*

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

**S5-186060 Resubmitted Reply LS from SA4 to SA5 on Attributes for QoE measurement collection**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-180240*

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

**S5-186061 Resubmitted LS from ITU-T to SA5 on LS on cooperation on REST-based network management framework**

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

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

**S5-186062 LS from ITU-T to SA5 on LS on consent of draft Recommendation Y.3103 (formerly Y.IMT2020-BM)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG13*

**Decision:** The document was **replied to in S5-186320**.

**S5-186320 Reply to: LS from ITU-T to SA5 on LS on consent of draft Recommendation Y.3103 (formerly Y.IMT2020-BM)**

*Type: LS out For: approval  
 to ITU-T SG13, cc 3GPP SA, ITU-T SG2, ITU-T SG11, ITU-T SG15, ITU-T SG16, ITU-T SG20, 3GPP SA1, NGMN, ETSI ISG NFV  
 Source: ORANGE*

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

**S5-186280 LS to 3GPP SA1 on business roles related to 5G networks and network slicing management**

*Type: LS out For: Approval  
 to 3GPP SA1  
 Source: Orange*

**Decision:** The document was **revised to S5-186321**.

**S5-186321 LS to 3GPP SA1 on business roles related to 5G networks and network slicing management**

*Type: LS out For: Approval  
 to 3GPP SA1  
 Source: Orange*

(Replaces S5-186280)

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

**S5-186286 LS from BBF cc SA5 on Response to 3GPP SA2 liaison S2-189038 on ‘general status of work’**

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

**Decision:** The document was **replied to in S5-186322**.

**S5-186322 Reply to: LS from BBF cc SA5 on Response to 3GPP SA2 liaison S2-189038 on ‘general status of work’**

*Type: LS out For: approval  
 to BBF, cc SA2  
 Source: Ericsson*

**Decision:** The document was **revised to S5-186484**.

**S5-186484 Reply to: LS from BBF cc SA5 on Response to 3GPP SA2 liaison S2-189038 on ‘general status of work’**

*Type: LS out For: approval  
 to BBF, cc SA2  
 Source: Ericsson*

(Replaces S5-186322)

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

### 6.2 New OAM&P Work Item proposals

**S5-186021 Minutes of New Work Item proposals - OAM&P**

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

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

**S5-186157 New WID on Repository of management service in 5G network management**

*Type: WID new For: Decision  
 Source: HUAWEI TECH. GmbH*

**Decision:** The document was **revised to S5-186323**.

**S5-186323 New WID on management service discovery in 5G networks**

*Type: WID new For: Decision  
 Source: HUAWEI TECH. GmbH*

(Replaces S5-186157)

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

**S5-186257 pCR 28.900 Updated references**

*Type: pCR For: Agreement  
 28.900 v0.5.0  
 Source: Ericsson Japan K.K.*

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

**S5-186258 new WID on NRM enhancements**

*Type: WID new For: Approval  
 Source: Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186324**.

**S5-186324 New WID on NRM enhancements**

*Type: WID new For: Approval  
 Source: Nokia Shanghai Bell*

(Replaces S5-186258)

**Decision:** The document was **revised to S5-186485**.

**S5-186485 New WID on NRM enhancements**

*Type: WID new For: Approval  
 Source: Nokia Shanghai Bell*

(Replaces S5-186324)

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

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

**S5-186022 Minutes of OAM&P Maintenance and Rel-15 small Enhancements**

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

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

**S5-186069 Update Figure 4.2.1-3 to solve the clash between CR28 and CR30**

*Type: CR For: Agreement  
 28.658 v15.2.0 CR-0032 Cat: D (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186325**.

**S5-186325 Update Figure 4.2.1-3 Transport view of E-UTRAN and ng-eNB NRM**

*Type: CR For: Agreement  
 28.658 v15.2.0 CR-0032 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186069)

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

**S5-186070 Fix issues raised by EditHelp**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0001 Cat: D (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186326**.

**S5-186326 Fix issues raised by EditHelp**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0001 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell,Ericsson*

(Replaces S5-186070)

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

**S5-186071 Update NR IS definition to align with TS 37.340 for MR-DC**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0002 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Update figure Figure 4.2.1.1-2 and potential impacted IOC/ProxyClass

**Decision:** The document was **revised to S5-186268**.

**S5-186072 Update 5GC IS to align with TS 23.501 for 5GC architecture**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0003 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Update Figures in 5.2 to remove duplicated IOC and align with SA2 architecture

**Decision:** The document was **revised to S5-186327**.

**S5-186327 Update NRM Stage 2 defintion to align with TS 23.501 for 5G architecture**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0003 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186072)

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

**S5-186073 Update 5GC IS for SBI definition**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0004 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-186074 Update xml SS of NR to align with IS**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0005 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186328**.

**S5-186328 Update Stage 3 XML definition of NR to align with Stage 2 content**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0005 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186074)

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

**S5-186075 Update JSON SS of NR to align with IS**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0006 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186329**.

**S5-186329 Update Stage 3 JSON definition of NR to align with Stage 2 content**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0006 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186075)

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

**S5-186076 Update YANG SS of NR to align with IS**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0007 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186330**.

**S5-186330 Update Stage 3 YANG definition of NR to align with Stage 2 content**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0007 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186076)

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

**S5-186077 Update xml SS of 5GC to align with IS**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0008 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186331**.

**S5-186331 Update Stage 3 XML definition of 5GC to align with Stage 2 content**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0008 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186077)

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

**S5-186078 Update JSON SS of 5GC to align with IS**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0009 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186332**.

**S5-186332 Update Stage 3 JSON definition of 5GC to align with Stage 2 content**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0009 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186078)

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

**S5-186079 Update YANG SS of 5GC to align with IS**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0010 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-186080 Update xml SS of NS to align with IS**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0011 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186333**.

**S5-186333 Update stage 3 XML definition of NS to align with Stage 2 content**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0011 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186080)

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

**S5-186081 Update JSON SS of NS to align with IS**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0012 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186334**.

**S5-186334 Update Stage 3 JSON definition of NS to align with Stage 2 content**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0012 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186081)

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

**S5-186082 Update YANG SS of NS to align with IS**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0013 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186335**.

**S5-186335 Update stage 3 YANG definition of NS to align with Stage 2 content**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0013 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186082)

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

**S5-186083 TD YANG Module or Submodule**

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

**Abstract:**

Investigate the rules to use of module/submodule for SA5 defined <<IOC>>s for YANG SS

**Decision:** The document was **revised to S5-186336**.

**S5-186336 TD NRM Stage 3 definition rules**

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

(Replaces S5-186083)

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

**S5-186098 Rel-15 CR TS 28.552 Remove the redundant measurement of end-to-end latency**

*Type: CR For: Approval  
 28.552 v15.0.0 CR-0002 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186337**.

**S5-186337 Rel-15 CR TS 28.552 Remove the redundant measurement of end-to-end latency**

*Type: CR For: Approval  
 28.552 v15.0.0 CR-0002 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186098)

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

**S5-186099 Rel-15 CR TS 28.532 Modification of reference**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0001 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-186100 Rel-16 CR 28.533 Add concept of service registration and discovery**

*Type: CR For: Approval  
 28.533 v15.0.0 CR-0001 Cat: B (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186338**.

**S5-186338 Rel-16 CR 28.533 Add concept of service registration and discovery**

*Type: CR For: Approval  
 28.533 v15.0.0 CR-0001 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186100)

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

**S5-186106 Rel-15 CR 28.526 Add a procedure to associate an VNF instance with a VNF profile**

*Type: CR For: Approval  
 28.526 v15.0.0 CR-0014 Cat: F (Rel-15)  
  
 Source: Intel Mobile France*

**Decision:** The document was **revised to S5-186340**.

**S5-186340 Rel-15 CR 28.526 Add a procedure to associate an VNF instance with a VNF profile**

*Type: CR For: Approval  
 28.526 v15.0.0 CR-0014 rev 1 Cat: F (Rel-15)  
  
 Source: Intel Mobile France*

(Replaces S5-186106)

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

**S5-186107 Rel-15 CR 28.526 Add a procedure to associate an PNF with a PNF profile**

*Type: CR For: Approval  
 28.629 v15.0.0 CR-0015 Cat: F (Rel-15)  
  
 Source: Intel Mobile France*

**Decision:** The document was **revised to S5-186341**.

**S5-186341 Rel-15 CR 28.526 Add a procedure to associate an PNF with a PNF profile**

*Type: CR For: Approval  
 28.629 v15.0.0 CR-0015 rev 1 Cat: F (Rel-15)  
  
 Source: Intel Mobile France*

(Replaces S5-186107)

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

**S5-186130 Rel-15 CR TS 28.532 Correction of references**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0002 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186342**.

**S5-186342 Rel-15 CR TS 28.532 Correction of references**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0002 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186130)

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

**S5-186131 Rel-15 CR TS 28.532 Correction of the usage of must**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0003 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186343**.

**S5-186343 Rel-15 CR TS 28.532 Alignment with 3GPP drafting rules**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0003 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186131)

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

**S5-186132 Rel-15 CR TS 28.532 Correction of the numbering and title of figures and tables**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0004 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186344**.

**S5-186344 Rel-15 CR TS 28.532 Correction of the numbering and title of figures and tables**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0004 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186132)

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

**S5-186133 Rel-15 CR TS 28.531 Complete the reference information and rewording the note**

*Type: CR For: Approval  
 28.531 v15.0.0 CR-0001 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186345**.

**S5-186345 Rel-15 CR TS 28.531 Complete the reference information and rewording the note**

*Type: CR For: Approval  
 28.531 v15.0.0 CR-0001 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-186133)

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

**S5-186134 Rel-15 CR TS 28.531 Update operation names in the procedures of NSI provisioning**

*Type: CR For: Approval  
 28.531 v15.0.0 CR-0002 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-186135 Rel-15 CR TS 28.531 Update operation names in the procedures of NSSI provisioning**

*Type: CR For: Approval  
 28.531 v15.0.0 CR-0003 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-186136 Rel-15 CR TS 28.531 Update operation names in the procedures of NF provisioning**

*Type: CR For: Approval  
 28.531 v15.0.0 CR-0004 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186346**.

**S5-186346 Rel-15 CR TS 28.531 Update operation names in the procedures of NF provisioning**

*Type: CR For: Approval  
 28.531 v15.0.0 CR-0004 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186136)

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

**S5-186137 Rel-15 CR TS 28.541 Correct the term sNSSAIList and nRTAC**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0014 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186347**.

**S5-186347 Rel-15 CR TS 28.541 Correct the term sNSSAIList and nRTAC**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0014 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186137)

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

**S5-186138 Rel-15 CR TS 28.541 Update the inheritance hierarchy figure for NR NRM to include BWP IOC and NRSectorCarrier IOC**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0015 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186348**.

**S5-186348 Rel-15 CR TS 28.541 Update the inheritance hierarchy figure for NR NRM to include BWP IOC and NRSectorCarrier IOC**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0015 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186138)

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

**S5-186139 Rel-15 CR TS 28.541 Change the term nCGI to nCI**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0016 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186349**.

**S5-186349 Rel-15 CR TS 28.541 Change the term nCGI to nCI**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0016 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei, Ericsson*

(Replaces S5-186139)

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

**S5-186140 Rel-15 CR TS 28.533 Update reference to TS 28.532**

*Type: CR For: Approval  
 28.533 v15.0.0 CR-0002 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-186141 Rel-15 CR TS 28.532 Remove unnecessary Editor's Note and figure**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0005 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186351**.

**S5-186351 Rel-15 CR TS 28.532 Remove unnecessary Editor's Note and figure**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0005 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186141)

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

**S5-186150 CR CUPS NRM IOC clean up**

*Type: CR For: Decision  
 28.708 v15.1.0 CR-0009 Cat: F (Rel-15)  
  
 Source: HUAWEI TECH. GmbH*

**Decision:** The document was **revised to S5-186352**.

**S5-186352 CR CUPS NRM IOC clean up**

*Type: CR For: Decision  
 28.708 v15.1.0 CR-0009 rev 1 Cat: F (Rel-15)  
  
 Source: HUAWEI TECH. GmbH*

(Replaces S5-186150)

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

**S5-186151 CR CUPS measurement clean up**

*Type: CR For: Decision  
 32.426 v15.1.0 CR-0071 Cat: D (Rel-15)  
  
 Source: HUAWEI TECH. GmbH*

**Decision:** The document was **revised to S5-186353**.

**S5-186353 CR CUPS measurement clean up**

*Type: CR For: Decision  
 32.426 v15.1.0 CR-0071 rev 1 Cat: F (Rel-15)  
  
 Source: HUAWEI TECH. GmbH*

(Replaces S5-186151)

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

**S5-186152 CR CUPS XML schema update**

*Type: CR For: (not specified)  
 28.709 v15.1.0 CR-0012 Cat: F (Rel-15)  
  
 Source: HUAWEI TECH. GmbH*

**Decision:** The document was **revised to S5-186354**.

**S5-186354 CR CUPS XML schema update**

*Type: CR For: -  
 28.709 v15.1.0 CR-0012 rev 1 Cat: F (Rel-15)  
  
 Source: HUAWEI TECH. GmbH*

(Replaces S5-186152)

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

**S5-186153 CR CUPS CORBA schema update**

*Type: CR For: Decision  
 28.709 v15.1.0 CR-0013 Cat: F (Rel-15)  
  
 Source: HUAWEI TECH. GmbH*

**Decision:** The document was **revised to S5-186355**.

**S5-186355 CR CUPS CORBA schema update**

*Type: CR For: Decision  
 28.709 v15.1.0 CR-0013 rev 1 Cat: F (Rel-15)  
  
 Source: HUAWEI TECH. GmbH*

(Replaces S5-186153)

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

**S5-186156 R15 CR TS 28.545 Correction for Requirements of Fault Supervision Service**

*Type: CR For: Approval  
 28.545 v15.0.0 CR-0001 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-186356**.

**S5-186356 R15 CR TS 28.545 Correction for Requirements of Fault Supervision Service**

*Type: CR For: Approval  
 28.545 v15.0.0 CR-0001 rev 1 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation*

(Replaces S5-186156)

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

**S5-186159 R15 CR TS 28.545 Correction for Use Cases of Fault Supervision Service**

*Type: CR For: Approval  
 28.545 v15.0.0 CR-0002 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation, ZTE*

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

**S5-186160 R15 CR TS 28.532 Update resource URI of alarmCount**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0006 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation, ZTE*

**Decision:** The document was **revised to S5-186357**.

**S5-186357 R15 CR TS 28.532 Update resource URI of alarmCount**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0006 rev 1 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation, ZTE*

(Replaces S5-186160)

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

**S5-186162 R15 CR TS 28.532 Remove Operation setComment**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0007 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation, ZTE*

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

**S5-186163 R15 CR TS 28.532 Remove Notification notifyCorrelatedNotificationChanged**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0008 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation, ZTE*

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

**S5-186164 R15 CR TS 28.532 change alarmIRP to FaultSupervisionMF**

*Type: CR For: Agreement  
 28.532 v15.0.1 CR-0009 Cat: F (Rel-15)  
  
 Source: ZTE, China Mobile*

**Decision:** The document was **revised to S5-186358**.

**S5-186358 R15 CR TS 28.532 Change alarmIRP to FSMnSProducer**

*Type: CR For: Agreement  
 28.532 v15.0.1 CR-0009 rev 1 Cat: F (Rel-15)  
  
 Source: ZTE, China Mobile*

(Replaces S5-186164)

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

**S5-186165 R15 CR TS 28.532 change notificationIRP to notificationMF**

*Type: CR For: Agreement  
 28.532 v15.0.1 CR-0010 Cat: F (Rel-15)  
  
 Source: ZTE, China Mobile*

**Decision:** The document was **revised to S5-186359**.

**S5-186359 R15 CR TS 28.532 change notificationIRP to notificationMF**

*Type: CR For: Agreement  
 28.532 v15.0.1 CR-0010 rev 1 Cat: F (Rel-15)  
  
 Source: ZTE, China Mobile*

(Replaces S5-186165)

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

**S5-186166 R15 CR TS 28.532 Remove Notification notifyPotentialFaultyAlarmList**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0011 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation, ZTE*

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

**S5-186167 R15 CR TS 28.532 Correct the subsription resourece related errors**

*Type: CR For: Agreement  
 28.532 v15.0.1 CR-0012 Cat: F (Rel-15)  
  
 Source: ZTE, China Mobile*

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

**S5-186168 R15 CR TS 28.532 Remove Notification notifyComments**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0013 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation, ZTE*

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

**S5-186169 R15 CR TS 28.532 Remove Notification notifyChangedAlarmGeneral**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0014 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation, ZTE*

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

**S5-186170 R15 CR TS 28.532 Remove Notification notifyAlarmListRebuilt**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0015 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation, ZTE*

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

**S5-186171 R15 CR TS 28.532 Remove Notification notifyAlarmListRebuilt**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0016 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation, ZTE*

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

**S5-186173 R15 CR TS 28.532 General correction of alarm notifications**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0017 Cat: F (Rel-15)  
  
 Source: China Mobile Com. Corporation, ZTE*

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

**S5-186183 R16 CR 28.541 Add BeamCoverage Class**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0017 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

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

**S5-186187 CR Rel-15 28662 on frequency band**

*Type: CR For: Approval  
 28.662 v15.0.0 CR-0006 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-186360**.

**S5-186360 CR Rel-15 28662 on frequency band**

*Type: CR For: Approval  
 28.662 v15.0.0 CR-0006 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-186187)

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

**S5-186188 CR Rel-15 28663 on frequency band**

*Type: CR For: Approval  
 28.663 v15.0.0 CR-0018 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-186361**.

**S5-186361 CR Rel-15 28663 on frequency band**

*Type: CR For: Approval  
 28.663 v15.0.0 CR-0018 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-186188)

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

**S5-186189 CR Rel-15 28541 Add NR attributes**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0018 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

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

**S5-186363 CR Rel-15 28541 Add NR attributes**

*Type: draftCR For: Approval  
 28.541 v15.0.1  
 Source: Ericsson Inc.*

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

**S5-186190 CR Rel-15 28541 Correct properties of cell state**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0019 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-186362**.

**S5-186362 CR Rel-15 28541 Correct properties of cell state**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0019 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-186190)

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

**S5-186191 CR Rel-15 28541 Correct use of nCI and nGCI**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0020 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

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

**S5-186192 CR Rel-15 28662 Modify SectorEquipmentFunction properties to support NR**

*Type: CR For: Approval  
 28.662 v15.0.0 CR-0007 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-186366**.

**S5-186366 CR Rel-15 28662 Modify SectorEquipmentFunction properties to support NR**

*Type: CR For: Approval  
 28.662 v15.0.0 CR-0007 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-186192)

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

**S5-186193 CR Rel-15 28663 Modify SectorEquipmentFunction properties to support NR**

*Type: CR For: Approval  
 28.663 v15.0.0 CR-0019 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-186367**.

**S5-186367 CR Rel-15 28663 Modify SectorEquipmentFunction properties to support NR**

*Type: CR For: Approval  
 28.663 v15.0.0 CR-0019 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Inc.*

(Replaces S5-186193)

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

**S5-186195 TD on NR cell relation**

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

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

**S5-186368 TD on NR cell relation**

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

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

**S5-186197 TD Rel-15 TS 28622 Generic NRM IS on Measurement Control**

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

**Decision:** The document was **revised to S5-186404**.

**S5-186404 TD Rel-15 TS 28622 Generic NRM IS on Measurement Control**

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

(Replaces S5-186197)

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

**S5-186211 Include information about referencers to CM, PM and FM IRPs**

*Type: CR For: Approval  
 28.305 v15.0.0 CR-0001 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

**Decision:** The document was **revised to S5-186405**.

**S5-186405 Include information about referencers to CM, PM and FM IRPs**

*Type: CR For: Approval  
 28.305 v15.0.0 CR-0001 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

(Replaces S5-186211)

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

**S5-186212 Discussion paper around using MnS**

*Type: discussion For: (not specified)  
 Source: Ericsson Japan K.K.*

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

**S5-186213 Removal of not correct reference in Annex A**

*Type: CR For: Approval  
 28.306 v15.0.0 CR-0001 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

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

**S5-186406 Removal of not correct reference in Annex A**

*Type: CR For: Approval  
 28.306 v15.0.0 CR-0001 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

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

**S5-186214 Add missing attribute definition and condition**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0021 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

**Decision:** The document was **revised to S5-186407**.

**S5-186407 Add missing attribute definition and condition**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0021 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

(Replaces S5-186214)

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

**S5-186215 Add missing detail definition for attribute**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0022 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

**Decision:** The document was **revised to S5-186408**.

**S5-186408 Add missing detail definition for attribute**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0022 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

(Replaces S5-186215)

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

**S5-186216 Rel-15 CR 28.531 Remove release specific information from clause 7.9.1**

*Type: CR For: Approval  
 28.531 v15.0.0 CR-0005 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-186430**.

**S5-186430 Rel-15 CR 28.531 Remove release specific information from clause 7.9.1**

*Type: CR For: Approval  
 28.531 v15.0.0 CR-0005 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

(Replaces S5-186216)

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

**S5-186217 Adding missing attribute, and correction of reference**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0023 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

**Decision:** The document was **revised to S5-186446**.

**S5-186446 Adding missing attribute, and correction of reference**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0023 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

(Replaces S5-186217)

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

**S5-186218 Rel-15 CR 28.532 Add notifyNewSecurityAlarm to notification type table**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0018 Cat: F (Rel-15)  
  
 Source: Ericsson LM,Deutsche Telekom*

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

**S5-186219 Add missing attribute in 5.4.1**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0024 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

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

**S5-186220 Rel-15 CR 28.541 Remove NSSF from the abbreviation**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0025 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

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

**S5-186221 Reference for notification description is missing**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0026 Cat: F (Rel-15)  
  
 Source: Ericsson Japan K.K.*

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

**S5-186229 CR 32.158 Extend resource representation format descriptions**

*Type: CR For: Approval  
 32.158 v15.0.1 CR-0001 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186409**.

**S5-186409 CR 32.158 Extend resource representation format descriptions**

*Type: CR For: Approval  
 32.158 v15.0.1 CR-0001 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186229)

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

**S5-186241 CR 28.532 Correct stage 3 description of the Provisioning Management Service**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0019 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-186410 CR 28.532 Correct stage 3 description of the Provisioning Management Service**

*Type: CR For: Approval  
 28.532 v15.0.1 CR-0019 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-186268 Update NR IS definition to align with TS 37.340 for MR-DC**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0002 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson Inc.*

(Replaces S5-186071)

**Abstract:**

Update figure Figure 4.2.1.1-2 and potential impacted IOC/ProxyClass

**Decision:** The document was **revised to S5-186411**.

**S5-186411 Update NR IS definition to align with TS 37.340 for MR-DC**

*Type: CR For: Agreement  
 28.541 v15.0.1 CR-0002 rev 2 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson Inc.*

(Replaces S5-186268)

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

**S5-186277 Rel-15 CR 28.541 Replace symbol for network slice state management**

*Type: CR For: Approval  
 28.541 v15.0.1 CR-0027 Cat: F (Rel-15)  
  
 Source: Ericsson Limited,Deutsche Telekom*

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

**S5-186278 Rel-15 CR 28.533 Add missing TS number and reference**

*Type: CR For: Approval  
 28.533 v15.0.0 CR-0003 Cat: F (Rel-15)  
  
 Source: Ericsson Limited*

**Decision:** The document was **revised to S5-186350**.

**S5-186350 Rel-15 CR 28.533 Add missing TS number and reference**

*Type: CR For: Approval  
 28.533 v15.0.0 CR-0003 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei, Ericsson*

(Replaces S5-186278)

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

**S5-186283 Rel-15 CR 28530 Align title with TS database**

*Type: CR For: Approval  
 28.530 v15.0.0 CR-0001 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

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

**S5-186284 Rel-15 CR 28554 Align title with TS database**

*Type: CR For: Approval  
 28.554 v15.0.1 CR-0001 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

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

**S5-186339 Way forward for MnS discovery**

*Type: discussion For: discussion  
 Source: Huawei*

**Decision:** The document was **revised to S5-186476**.

**S5-186476 Way forward for MnS discovery**

*Type: discussion For: Endorsement  
 Source: Huawei*

(Replaces S5-186339)

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

**S5-186413 Priority of NFV NS in context of Network Slicing**

*Type: discussion For: Endorsement  
 Source: kia Shanghai Bell, Huawei*

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

**S5-186474 Fix outdated reference**

*Type: CR For: Agreement  
 28.528 v15.0.0 CR-0003 Cat: F (Rel-15)  
  
 Source: Nokia*

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

### 6.4 Rel-15 Operations, Administration, Maintenance and Provisioning (OAM&P)

#### 6.4.1 Assurance data and Performance Management for 5G networks and network slicing

**S5-186023 Minutes of Assurance data and Performance Management for 5G networks and network slicing**

*Type: report For: (not specified)  
 Source: Rapporteur (Intel)*

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

**S5-186147 pCR TS 28.550 Update concept for analytical KPI**

*Type: pCR For: Approval  
 28.550 v2.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186426**.

**S5-186426 pCR TS 28.550 Update concept for analytical KPI**

*Type: pCR For: Approval  
 28.550 v2.0.0  
 Source: Huawei*

(Replaces S5-186147)

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

**S5-186194 pCR Rel-15 28550-200 stream requirement and stage 2**

*Type: pCR For: Approval  
 28.550 v2.0.0  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-186427**.

**S5-186427 pCR Rel-15 28550-200 stream requirement and stage 2**

*Type: pCR For: Approval  
 28.550 v2.0.0  
 Source: Ericsson Inc.,Intel*

(Replaces S5-186194)

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

**S5-186196 TD Rel-15 28550-200 on file based solution**

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

**Decision:** The document was **revised to S5-186428**.

**S5-186428 TD Rel-15 28550-200 on file based solution**

*Type: discussion For: Endorsement  
 28.550 v..  
 Source: Ericsson Inc.,Deutsche Telekom, Nokia, Huawei*

(Replaces S5-186196)

**Decision:** The document was **revised to S5-186470**.

**S5-186470 TD Rel-15 28550-200 on file based solution**

*Type: discussion For: Endorsement  
 28.550 v..  
 Source: Ericsson Inc.,Deutsche Telekom, Nokia, Huawei*

(Replaces S5-186428)

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

**S5-186245 pCR 28.550 Update the UCs and requirements related to performance data streaming**

*Type: pCR For: Approval  
 28.550 v2.0.0  
 Source: Intel, BT*

**Decision:** The document was **revised to S5-186429**.

**S5-186429 pCR 28.550 Update the UCs and requirements related to performance data streaming**

*Type: pCR For: Approval  
 28.550 v2.0.0  
 Source: Intel, BT*

(Replaces S5-186245)

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

**S5-186246 pCR 28.550 Add solution for performance data streaming**

*Type: pCR For: Approval  
 28.550 v2.0.0  
 Source: Intel, BT*

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

**S5-186469 Draft TS 28.550**

*Type: draft TS For: Approval  
 28.550 v2.1.0  
 Source: Intel*

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

### 6.5 Rel-16 Operations, Administration, Maintenance and Provisioning (OAM&P)

#### 6.5.1 Management of QoE measurement collection

**S5-186024 Minutes of Management of QoE measurement collection**

*Type: report For: (not specified)  
 Source: Rapporteur (Ericsson)*

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

**S5-186270 pCR Rel-16 28.404-040 Include MTSI measurements**

*Type: pCR For: (not specified)  
 28.404 v0.4.0  
 Source: Ericsson*

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

**S5-186271 pCR Rel-16 28.405-020 Include MTSI measurements**

*Type: pCR For: (not specified)  
 28.405 v0.2.0  
 Source: Ericsson*

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

**S5-186272 pCR Rel-16 28.405-020 Add X2 handover**

*Type: pCR For: (not specified)  
 28.405 v0.2.0  
 Source: Ericsson*

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

**S5-186273 pCR Rel-16 28.405-020 Clarify forced deactivation**

*Type: pCR For: (not specified)  
 28.405 v0.2.0  
 Source: Ericsson*

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

**S5-186274 pCR Rel-16 28.405-020 Add data definitions**

*Type: pCR For: (not specified)  
 28.405 v0.2.0  
 Source: Ericsson*

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

**S5-186276 Reply LS from SA5 to SA4 on Attributes for QoE measurement collection**

*Type: LS out For: (not specified)  
 to SA4, cc RAN2, RAN3, CT1  
 Source: Ericsson*

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

**S5-186454 Draft TS 28.404**

*Type: draft TS For: Approval  
 28.404 v0.5.0  
 Source: Ericsson*

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

**S5-186455 Draft TS 28.405**

*Type: draft TS For: Approval  
 28.405 v0.3.0  
 Source: Ericsson*

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

#### 6.5.2 Energy Efficiency of 5G

**S5-186025 Minutes of Energy effciency of 5G**

*Type: report For: (not specified)  
 Source: Rapporteur (ORANGE)*

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

**S5-186041 TS 28.310 Skeleton**

*Type: draft TS For: Approval  
 28.310 v0.0.0  
 Source: Orange*

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

**S5-186042 pCR TS 28.310 – Concepts and overview**

*Type: pCR For: Agreement  
 28.310 v0.0.0  
 Source: Orange*

**Decision:** The document was **revised to S5-186374**.

**S5-186374 pCR TS 28.310 – Concepts and overview**

*Type: pCR For: Agreement  
 28.310 v0.0.0  
 Source: Orange*

(Replaces S5-186042)

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

**S5-186047 Liaison to 3GPP SA5 on Energy Efficiency for 5G**

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

**Decision:** The document was **replied to in S5-186375**.

**S5-186375 Reply to: Liaison to 3GPP SA5 on Energy Efficiency for 5G**

*Type: LS out For: approval  
 to ETSI TC EE, cc 3GPP SA, 3GPP RAN, 3GPP RAN2, 3GPP RAN3  
 Source: ORANGE*

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

Attachments to this outgoing LS: SP-180819

**S5-186204 Discussion paper around Data Volume measurement**

*Type: discussion For: (not specified)  
 28.310 v..  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-186391**.

**S5-186391 Discussion paper around Data Volume measurement**

*Type: discussion For: -  
 28.310 v..  
 Source: Ericsson LM*

(Replaces S5-186204)

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

**S5-186207 LS to RAN2 on Data Volume measurements**

*Type: LS out For: (not specified)  
 to 3GPP RAN2, cc 3GPP RAN1, 3GPP RAN3, 3GPP SA  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-186392**.

**S5-186392 LS to RAN2 on Data Volume measurements**

*Type: LS out For: -  
 to 3GPP RAN2, cc 3GPP RAN1, 3GPP RAN3, 3GPP SA  
 Source: Ericsson LM*

(Replaces S5-186207)

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

Attachments to this outgoing LS: S5-186391

**S5-186477 Draft TS 28.310**

*Type: draft TS For: Approval  
 28.310 v0.1.0  
 Source: ORANGE*

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

#### 6.5.3 OAM aspects of LTE and WLAN integration

**S5-186026 Minutes of Study on OAM aspects of LTE and WLAN integration**

*Type: report For: (not specified)  
 Source: Rapporteur (Intel)*

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

**S5-186226 CR Rel-16 28.622 Add IOC for supporting management of non-collocated LWA**

*Type: CR For: Approval  
 28.622 v15.1.0 CR-0026 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-186227 CR Rel-16 28.623 Add IOC for supporting management of non-collocated LWA**

*Type: CR For: Approval  
 28.623 v15.0.0 CR-0017 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-186231 CR Rel-16 28.658 Add IOCs for managing non-collocated LWA**

*Type: CR For: Approval  
 28.658 v15.2.0 CR-0033 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-186393**.

**S5-186393 CR Rel-16 28.658 Add IOCs for managing non-collocated LWA**

*Type: CR For: Approval  
 28.658 v15.2.0 CR-0033 rev 1 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-186231)

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

**S5-186234 CR Rel-16 28.659 Add IOCs for managing non-collocated LWA**

*Type: CR For: Approval  
 28.659 v15.2.0 CR-0026 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-186394**.

**S5-186394 CR Rel-16 28.659 Add IOCs for managing non-collocated LWA**

*Type: CR For: Approval  
 28.659 v15.2.0 CR-0026 rev 1 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-186234)

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

**S5-186236 CR Rel-16 32.425 Add measurements related to user data transmission on Xw interface for non-collocated LWA**

*Type: CR For: Approval  
 32.425 v16.0.0 CR-0173 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-186395 CR Rel-16 32.425 Add measurements related to user data transmission on Xw interface for non-collocated LWA**

*Type: CR For: Approval  
 32.425 v16.0.0 CR-0173 rev 1 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-186238 CR Rel-16 32.425 Add measurements related to XwAP procedures for non-collocated LWA**

*Type: CR For: Approval  
 32.425 v16.0.0 CR-0174 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-186396**.

**S5-186396 CR Rel-16 32.425 Add measurements related to XwAP procedures for non-collocated LWA**

*Type: CR For: Approval  
 32.425 v16.0.0 CR-0174 rev 1 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-186238)

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

#### 6.5.4 Network policy management for mobile networks based on NFV scenarios

**S5-186027 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**.

**S5-186176 Reference of Policy Management Interface specification**

*Type: pCR For: (not specified)  
 28.311 v0.0.0  
 Source: China Mobile (Hangzhou) Inf.*

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

**S5-186177 Reference of Policy Management Interface specification**

*Type: pCR For: (not specified)  
 28.311 v0.0.0  
 Source: China Mobile (Hangzhou) Inf.*

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

**S5-186178 Scope of Policy Management Interface specification**

*Type: pCR For: (not specified)  
 28.311 v0.0.0  
 Source: China Mobile (Hangzhou) Inf.*

**Decision:** The document was **revised to S5-186398**.

**S5-186398 pCR 28.311 Add Scope**

*Type: pCR For: -  
 28.311 v0.0.0  
 Source: China Mobile, Ericsson, ZTE*

(Replaces S5-186178)

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

**S5-186179 Skeleton for Policy Management Interface specification**

*Type: pCR For: (not specified)  
 28.311 v0.0.0  
 Source: China Mobile (Hangzhou) Inf.*

**Decision:** The document was **revised to S5-186397**.

**S5-186397 Skeleton for Policy Management Interface specification**

*Type: pCR For: -  
 28.311 v0.0.0  
 Source: China Mobile (Hangzhou) Inf.*

(Replaces S5-186179)

**Decision:** The document was **revised to S5-186468**.

**S5-186468 Skeleton for Policy Management Interface specification**

*Type: pCR For: -  
 28.311 v0.0.0  
 Source: China Mobile (Hangzhou) Inf.*

(Replaces S5-186397)

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

**S5-186180 Skeleton for Policy Management Interface specification**

*Type: pCR For: (not specified)  
 28.311 v0.0.0  
 Source: China Mobile (Hangzhou) Inf.*

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

**S5-186472 Draft TS 28.311**

*Type: draft TS For: Approval  
 28.311 v0.1.0  
 Source: China Mobile*

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

#### 6.5.5 Methodology for 5G management specifications

**S5-186028 Minutes of Methodology for 5G management specifications**

*Type: report For: (not specified)  
 Source: Rapporteur (Ericsson)*

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

**S5-186222 Rel-15 CR 32.156 Add producer - consumer interaction to Annex B**

*Type: CR For: Approval  
 32.156 v15.0.0 CR-0016 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-186399**.

**S5-186399 Rel-15 CR 32.156 Add producer - consumer interaction to Annex B**

*Type: CR For: Approval  
 32.156 v15.0.0 CR-0016 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

(Replaces S5-186222)

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

**S5-186223 Rel-15 CR 32.156 Add producer - consumer interaction to Annex F**

*Type: CR For: Approval  
 32.156 v15.0.0 CR-0017 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-186400**.

**S5-186400 Rel-15 CR 32.156 Add producer - consumer interaction to Annex F**

*Type: CR For: Approval  
 32.156 v15.0.0 CR-0017 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

(Replaces S5-186223)

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

**S5-186256 Rel-15 CR 32.156 Update example of the generalization relationship**

*Type: CR For: Approval  
 32.156 v15.0.0 CR-0018 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-186401**.

**S5-186401 Rel-15 CR 32.156 Update example of the generalization relationship**

*Type: CR For: Approval  
 32.156 v15.0.0 CR-0018 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

(Replaces S5-186256)

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

**S5-186269 Rel-16 draft TS Skeleton 32.160**

*Type: draft TS For: Approval  
 32.160 v0.0.0  
 Source: Ericsson LM*

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

**S5-186275 pCR 32.160 Add scope**

*Type: pCR For: Approval  
 32.160 v0.0.0  
 Source: Ericsson LM*

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

**S5-186282 pCR 32.160 Add table of content**

*Type: pCR For: Approval  
 32.160 v0.0.0  
 Source: Ericsson Limited,Deutsche Telekom*

**Decision:** The document was **revised to S5-186403**.

**S5-186403 pCR 32.160 Add table of content**

*Type: pCR For: Approval  
 32.160 v0.0.0  
 Source: Ericsson Limited,Deutsche Telekom*

(Replaces S5-186282)

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

**S5-186402 Draft TS 32.160**

*Type: draft TS For: Approval  
 32.160 v0.1.0  
 Source: Ericsson*

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

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

**S5-186029 Minutes of Intent driven management service for mobile networks**

*Type: report For: (not specified)  
 Source: Rapporteur (Huawei)*

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

**S5-186065 skeleton TR 28.812-000**

*Type: draft TR For: (not specified)  
 28.812 v0.0.0  
 Source: HUAWEI Technologies Japan K.K.*

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

**S5-186101 pCR 28.812 General concept for Intent driven management**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186414**.

**S5-186414 pCR 28.812 General concept for Intent driven management**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

(Replaces S5-186101)

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

**S5-186102 pCR 28.812 Add intent driven network provisioning scenario**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186417**.

**S5-186417 pCR 28.812 Add intent driven network provisioning scenario**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

(Replaces S5-186102)

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

**S5-186103 pCR 28.812 Key issues for IDM study**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186416**.

**S5-186416 pCR 28.812 Key issues for IDM study**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

(Replaces S5-186103)

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

**S5-186142 pCR 28.812 Add scope for intent driven management services for mobile network**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186415**.

**S5-186415 pCR 28.812 Add scope for intent driven management services for mobile network**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

(Replaces S5-186142)

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

**S5-186143 pCR 28.812 Add automation concept for the management of mobile networks**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

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

**S5-186144 pCR 28.812 Add intent driven cell re-home scenario**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186423**.

**S5-186423 pCR 28.812 Add intent driven cell re-home scenario**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

(Replaces S5-186144)

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

**S5-186145 pCR 28.812 Add intent driven predictive load balance scenario**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186424**.

**S5-186424 pCR 28.812 Add intent driven predictive load balance scenario**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

(Replaces S5-186145)

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

**S5-186146 pCR 28.812 Add intent driven cell update scenario**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186425**.

**S5-186425 pCR 28.812 Add intent driven cell update scenario**

*Type: pCR For: Approval  
 28.812 v0.0.0  
 Source: Huawei*

(Replaces S5-186146)

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

**S5-186471 Draft TR 28.812**

*Type: draft TR For: Approval  
 28.812 v0.1.0  
 Source: Huawei*

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

#### 6.5.7 Enhancement of performance assurance for 5G networks including network slicing

**S5-186030 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**.

**S5-186067 LS out to RAN3 about providing the necessary information for UE throughput through F1 interface**

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

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

**S5-186068 R16 CR 28.552 Add CQI measurement**

*Type: CR For: Agreement  
 28.552 v15.0.0 CR-0001 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

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

**S5-186369 R16 CR 28.552 Add CQI measurement**

*Type: CR For: Agreement  
 28.552 v15.0.0 CR-0001 rev 1 Cat: F (Rel-16)  
  
 Source: ZTE Corporation*

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

**S5-186154 pCR Update NF measurement job creation and termination**

*Type: pCR For: Decision  
 28.550 v2.0.0  
 Source: HUAWEI TECH. GmbH*

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

**S5-186174 Discussion about how SA5/SA2 \_x00B\_work together to guarantee slice SLA**

*Type: discussion For: Endorsement  
 Source: China Mobile (Hangzhou) Inf.*

**Decision:** The document was **revised to S5-186370**.

**S5-186370 Discussion about how SA5 SA2 RAN3 work together to guarantee network slice SLA**

*Type: discussion For: Endorsement  
 Source: China Mobile (Hangzhou) Inf.*

(Replaces S5-186174)

**Decision:** The document was **revised to S5-186486**.

**S5-186486 Discussion about how SA5 SA2 RAN3 work together to guarantee network slice SLA**

*Type: discussion For: Endorsement  
 Source: China Mobile, Huawei, Nokia, NEC, Deutsche Telekom, Ericsson, Intel, ZTE*

(Replaces S5-186370)

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

**S5-186175 Reply LS on Slice related Data Analytics**

*Type: LS out For: (not specified)  
 to 3GPP SA2  
 Source: China Mobile (Hangzhou) Inf.*

**Decision:** The document was **revised to S5-186371**.

**S5-186371 Reply LS on Slice related Data Analytics**

*Type: LS out For: -  
 to SA2, cc RAN3  
 Source: China Mobile (Hangzhou) Inf.*

(Replaces S5-186175)

**Decision:** The document was **revised to S5-186487**.

**S5-186487 Reply LS on Slice related Data Analytics**

*Type: LS out For: -  
 to SA2, cc RAN3  
 Source: China Mobile (Hangzhou) Inf.*

(Replaces S5-186371)

**Decision:** The document was **revised to S5-186491**.

**S5-186491 Reply LS on Slice related Data Analytics**

*Type: LS out For: -  
 to SA2, cc RAN3  
 Source: China Mobile (Hangzhou) Inf.*

(Replaces S5-186487)

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

Attachments to this outgoing LS: S5-186370,S5-186459

**S5-186181 R16 CR 28.552 Add MCS Distribution measurement**

*Type: CR For: Agreement  
 28.552 v15.0.0 CR-0003 Cat: B (Rel-16)  
  
 Source: ZTE Corporation*

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

**S5-186242 CR Rel-16 28.552 Add PDU Session Resource setup related measurements for gNB**

*Type: CR For: Approval  
 28.552 v15.0.0 CR-0004 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-186372**.

**S5-186372 CR Rel-16 28.552 Add PDU Session Resource setup related measurements for gNB**

*Type: CR For: Approval  
 28.552 v15.0.0 CR-0004 rev 1 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-186242)

**Decision:** The document was **revised to S5-186478**.

**S5-186478 CR Rel-16 28.552 Add PDU Session Resource setup related measurements for gNB**

*Type: CR For: Approval  
 28.552 v15.0.0 CR-0004 rev 2 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-186372)

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

**S5-186243 CR Rel-16 28.552 Add inter-gNB handover related measurements**

*Type: CR For: Approval  
 28.552 v15.0.0 CR-0005 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

**Decision:** The document was **revised to S5-186373**.

**S5-186373 CR Rel-16 28.552 Add inter-gNB handover related measurements**

*Type: CR For: Approval  
 28.552 v15.0.0 CR-0005 rev 1 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-186243)

**Decision:** The document was **revised to S5-186473**.

**S5-186473 CR Rel-16 28.552 Add inter-gNB handover related measurements**

*Type: CR For: Approval  
 28.552 v15.0.0 CR-0005 rev 2 Cat: B (Rel-16)  
  
 Source: Intel Corporation (UK) Ltd*

(Replaces S5-186373)

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

**S5-186244 Discussion paper on collection of e2e latency measurements**

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

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

### 6.6 OAM&P Studies

#### 6.6.1 Study on system and functional aspects of Energy Efficiency in 5G networks

**S5-186031 Minutes for Study on system and functional aspects of Energy Efficiency in 5G networks**

*Type: report For: (not specified)  
 Source: Rapporteur (ORANGE)*

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

**S5-186063 pCR TR 32.972 Edithelp comments**

*Type: pCR For: Agreement  
 32.972 v1.0.1  
 Source: Orange*

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

**S5-186064 pCR TR 32.972 – Potential solutions**

*Type: pCR For: Agreement  
 32.972 v1.0.1  
 Source: Orange*

**Decision:** The document was **revised to S5-186432**.

**S5-186432 pCR TR 32.972 – Potential solutions**

*Type: pCR For: Approval  
 32.972 v1.0.1  
 Source: Orange*

(Replaces S5-186064)

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

**S5-186149 pCR TR 32.972 Cleanup**

*Type: pCR For: Agreement  
 32.972 v1.0.1  
 Source: Ericsson, Orange*

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

**S5-186431 Draft TR 32.972**

*Type: draft TR For: Approval  
 32.972 v1.1.0  
 Source: ORANGE*

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

#### 6.6.2 Study on integration of ONAP DCAE and 3GPP management architecture

**S5-186032 Minutes of Study on integration of ONAP DCAE and 3GPP management architecture**

*Type: report For: (not specified)  
 Source: Rapporteur ORANGE)*

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

**S5-186108 pCR TR 28.900 No subscribe in ONAP**

*Type: pCR For: (not specified)  
 28.900 v0.5.0  
 Source: AT&T, Orange*

**Decision:** The document was **revised to S5-186434**.

**S5-186434 pCR TR 28.900 No subscribe in ONAP**

*Type: pCR For: -  
 28.900 v0.5.0  
 Source: AT&T, Orange*

(Replaces S5-186108)

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

**S5-186109 pCR TR 28.900 No PM job control in ONAP**

*Type: pCR For: (not specified)  
 28.900 v0.5.0  
 Source: AT&T, Orange*

**Decision:** The document was **revised to S5-186436**.

**S5-186436 pCR TR 28.900 No PM job control in ONAP**

*Type: pCR For: -  
 28.900 v0.5.0  
 Source: AT&T, Orange*

(Replaces S5-186109)

**Decision:** The document was **revised to S5-186479**.

**S5-186479 pCR TR 28.900 No PM job control in ONAP**

*Type: pCR For: -  
 28.900 v0.5.0  
 Source: AT&T, Orange*

(Replaces S5-186436)

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

**S5-186110 pCR TR 28.900 FM-PM Data Reporting Methods**

*Type: pCR For: (not specified)  
 28.900 v0.5.0  
 Source: AT&T, Orange*

**Decision:** The document was **revised to S5-186438**.

**S5-186438 pCR TR 28.900 FM-PM Data Reporting Methods**

*Type: pCR For: -  
 28.900 v0.5.0  
 Source: AT&T, Orange*

(Replaces S5-186110)

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

**S5-186148 pCR TR 28.900 Correct the reference to configuration management related notifications**

*Type: pCR For: Approval  
 28.900 v0.5.0  
 Source: Huawei*

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

**S5-186184 DP on integrating ONAP FM-PM into 3GPP 5G management framework – Subscribe/Notify**

*Type: discussion For: Endorsement  
 Source: AT&T, Deutsche Telekom, Orange*

**Decision:** The document was **revised to S5-186433**.

**S5-186433 DP on integrating ONAP FM-PM into 3GPP 5G management framework – Subscribe/Notify**

*Type: discussion For: Endorsement  
 Source: AT&T, Deutsche Telekom, Orange*

(Replaces S5-186184)

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

**S5-186185 DP on integrating ONAP FM-PM into 3GPP 5G management framework – PM job control**

*Type: discussion For: Endorsement  
 Source: AT&T, Deutsche Telekom, Orange*

**Decision:** The document was **revised to S5-186435**.

**S5-186435 DP on integrating ONAP FM-PM into 3GPP 5G management framework – PM job control**

*Type: discussion For: Endorsement  
 Source: AT&T, Deutsche Telekom, Orange,Nokia, Ericsson*

(Replaces S5-186185)

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

**S5-186186 DP on integrating ONAP FM-PM into 3GPP 5G management framework – PM FM reporting methods**

*Type: discussion For: Endorsement  
 Source: AT&T, Deutsche Telekom, Orange*

**Decision:** The document was **revised to S5-186437**.

**S5-186437 DP on integrating ONAP FM-PM into 3GPP 5G management framework – PM FM reporting methods**

*Type: discussion For: Endorsement  
 Source: AT&T, Deutsche Telekom, Orange*

(Replaces S5-186186)

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

**S5-186259 pCR 28.900 3GPP vs ONAP Interface technologies**

*Type: pCR For: Agreement  
 28.900 v0.5.0  
 Source: Ericsson Japan K.K.*

**Decision:** The document was **revised to S5-186440**.

**S5-186440 pCR 28.900 3GPP vs ONAP Interface technologies**

*Type: pCR For: Agreement  
 28.900 v0.5.0  
 Source: Ericsson Japan K.K.*

(Replaces S5-186259)

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

**S5-186260 pCR 28.900 Updated references**

*Type: pCR For: Agreement  
 28.900 v0.5.0  
 Source: Ericsson Japan K.K.*

**Decision:** The document was **revised to S5-186441**.

**S5-186441 pCR 28.900 Updated references**

*Type: pCR For: Agreement  
 28.900 v0.5.0  
 Source: Ericsson Japan K.K.*

(Replaces S5-186260)

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

**S5-186261 pCR 28.900 Updated architecture overview**

*Type: pCR For: Agreement  
 28.900 v0.5.0  
 Source: Ericsson Japan K.K.*

**Decision:** The document was **revised to S5-186442**.

**S5-186442 pCR 28.900 Updated architecture overview**

*Type: pCR For: Agreement  
 28.900 v0.5.0  
 Source: Ericsson Japan K.K.*

(Replaces S5-186261)

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

**S5-186262 pCR 28.900 ONAP DCAE VES Collector updates**

*Type: pCR For: Agreement  
 28.900 v0.5.0  
 Source: Ericsson Japan K.K.*

**Decision:** The document was **revised to S5-186443**.

**S5-186443 pCR 28.900 ONAP DCAE VES Collector updates**

*Type: pCR For: Approval  
 28.900 v0.5.0  
 Source: Ericsson Japan K.K.*

(Replaces S5-186262)

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

**S5-186263 pCR 28.900 Handling of alarm / event notifications**

*Type: pCR For: Agreement  
 28.900 v0.5.0  
 Source: Ericsson Japan K.K.*

**Decision:** The document was **revised to S5-186444**.

**S5-186444 pCR 28.900 Handling of alarm / event notifications**

*Type: pCR For: Agreement  
 28.900 v0.5.0  
 Source: Ericsson Japan K.K.*

(Replaces S5-186263)

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

**S5-186264 Discussion paper around restructuring Comparisons**

*Type: discussion For: Discussion  
 28.900 v..  
 Source: Ericsson Japan K.K.*

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

**S5-186439 Draft TR 28.900**

*Type: draft TR For: Approval  
 28.900 v0.6.0  
 Source: ORANGE*

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

#### 6.6.3 Study on integration of ONAP and 3GPP configuration management services for 5G networks

**S5-186033 Minutes of Study on integration of ONAP and 3GPP configuration management services for 5G networks**

*Type: report For: (not specified)  
 Source: Rapporteur (Ericsson)*

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

**S5-186172 pCR 28.900 skeleton for Integration of ONAP with 3GPP management services for configuration management purposes**

*Type: pCR For: Approval  
 28.900 v0.5.0  
 Source: Nanjing Ericsson Panda Com Ltd*

**Decision:** The document was **revised to S5-186445**.

**S5-186445 pCR 28.900 skeleton for Integration of ONAP with 3GPP management services for configuration management purposes**

*Type: pCR For: Approval  
 28.900 v0.5.0  
 Source: Nanjing Ericsson Panda Com Ltd*

(Replaces S5-186172)

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

#### 6.6.4 Study on protocol enhancement for real time communication

**S5-186034 Minutes of Study on protocol enhancement for real time communication**

*Type: report For: (not specified)  
 Source: Rapporteur(Nokia)*

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

#### 6.6.5 Study on management aspects of edge computing

**S5-186035 Minutes of Study on management aspects of edge computing**

*Type: report For: (not specified)  
 Source: Rapporteur (Intel)*

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

**S5-186237 pCR 28.803 edge computing deployment scenarios**

*Type: pCR For: Approval  
 28.803 v0.1.0  
 Source: Intel Mobile France*

**Decision:** The document was **revised to S5-186447**.

**S5-186447 pCR 28.803 edge computing deployment scenarios**

*Type: pCR For: Approval  
 28.803 v0.1.0  
 Source: Intel Mobile France*

(Replaces S5-186237)

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

**S5-186239 pCR 28.803 use cases for p2p management deployment scenarios**

*Type: pCR For: Approval  
 28.803 v0.1.0  
 Source: Intel Mobile France*

**Decision:** The document was **revised to S5-186448**.

**S5-186448 pCR 28.803 use cases for p2p management deployment scenarios**

*Type: pCR For: Approval  
 28.803 v0.1.0  
 Source: Intel Mobile France*

(Replaces S5-186239)

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

**S5-186240 pCR 28.803 add use case for E2E OSS deployment scenario**

*Type: pCR For: Approval  
 28.803 v0.1.0  
 Source: Intel Mobile France*

**Decision:** The document was **revised to S5-186449**.

**S5-186449 pCR 28.803 add use case for E2E OSS deployment scenario**

*Type: pCR For: Approval  
 28.803 v0.1.0  
 Source: Intel Mobile France*

(Replaces S5-186240)

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

#### 6.6.6 Study on tenancy concept in 5G networks and network slicing management

**S5-186036 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**.

**S5-186066 Draft TR 28.804 Skeleton**

*Type: draft TR For: Information  
 28.804 v0.0.0  
 Source: HUAWEI TECH. GmbH*

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

**S5-186117 pCR 28.804 Add tenant management concept**

*Type: pCR For: Approval  
 28.804 v0.0.0  
 Source: Huawei*

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

**S5-186453 pCR 28.804 Add tenant management concept**

*Type: pCR For: Approval  
 28.804 v0.0.0  
 Source: Huawei*

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

**S5-186118 pCR 28.804 Add key issues for tenant management**

*Type: pCR For: Approval  
 28.804 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186452**.

**S5-186452 pCR 28.804 Add key issues for tenant management**

*Type: pCR For: Approval  
 28.804 v0.0.0  
 Source: Huawei*

(Replaces S5-186118)

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

**S5-186155 pCR 28.804 scope of tenancy TR**

*Type: pCR For: Decision  
 28.804 v0.0.0  
 Source: HUAWEI TECH. GmbH*

**Decision:** The document was **revised to S5-186450**.

**S5-186450 pCR 28.804 scope of tenancy TR**

*Type: pCR For: Approval  
 28.804 v0.0.0  
 Source: HUAWEI TECH. GmbH*

(Replaces S5-186155)

**Decision:** The document was **revised to S5-186480**.

**S5-186480 pCR 28.804 scope of tenancy TR**

*Type: pCR For: Approval  
 28.804 v0.0.0  
 Source: HUAWEI TECH. GmbH*

(Replaces S5-186450)

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

**S5-186158 pCR Tenancy definition in 3GPP management system**

*Type: pCR For: (not specified)  
 28.804 v0.0.0  
 Source: HUAWEI TECH. GmbH*

**Decision:** The document was **revised to S5-186451**.

**S5-186451 pCR Tenancy definition in 3GPP management system**

*Type: pCR For: -  
 28.804 v0.0.0  
 Source: HUAWEI TECH. GmbH*

(Replaces S5-186158)

**Decision:** The document was **revised to S5-186481**.

**S5-186481 pCR Tenancy definition in 3GPP management system**

*Type: pCR For: -  
 28.804 v0.0.0  
 Source: HUAWEI TECH. GmbH*

(Replaces S5-186451)

**Decision:** The document was **revised to S5-186488**.

**S5-186488 pCR Tenancy definition in 3GPP management system**

*Type: pCR For: -  
 28.804 v0.0.0  
 Source: HUAWEI TECH. GmbH*

(Replaces S5-186481)

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

**S5-186161 Revised SID Study on 5G network and network slicing tenant management**

*Type: SID revised For: Decision  
 Source: HUAWEI TECH. GmbH*

**Decision:** The document was **revised to S5-186466**.

**S5-186466 Revised SID Study on 5G network and network slicing tenant management**

*Type: SID revised For: Agreement  
 Source: HUAWEI TECH. GmbH*

(Replaces S5-186161)

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

**S5-186422 Draft TR 28.804**

*Type: draft TR For: Approval  
 28.804 v0.1.0  
 Source: Huawei*

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

#### 6.6.7 Study on management aspects of communication services

**S5-186037 Minutes of Study on management aspects of communication services**

*Type: report For: (not specified)  
 Source: Rapporteur (Ericsson)*

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

**S5-186104 pCR 28.805 Add mangement support for Service SLA**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186459**.

**S5-186459 pCR 28.805 Add management support for SLA assurance**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei*

(Replaces S5-186104)

**Decision:** The document was **revised to S5-186482**.

**S5-186482 pCR 28.805Add management support for Service SLA assurance**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei, China Mobile, Nokia, NEC, Deutsche Telekom, Ericsson,Intel,ZTE*

(Replaces S5-186459)

**Decision:** The document was **revised to S5-186490**.

**S5-186490 pCR 28.805Add management support for Service SLA assurance**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei, China Mobile, Nokia, NEC, Deutsche Telekom, Ericsson,Intel,ZTE*

(Replaces S5-186482)

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

**S5-186119 pCR 28.805 Add concept of SLA management**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei*

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

**S5-186460 pCR 28.805 Add concept of SLA management**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei*

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

**S5-186120 pCR 28.805 Add types of communication services**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186461**.

**S5-186461 pCR 28.805 Add types of communication services**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei*

(Replaces S5-186120)

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

**S5-186121 pCR 28.805 Add management aspects of communication services**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186462**.

**S5-186462 pCR 28.805 Add management aspects of communication services**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei*

(Replaces S5-186121)

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

**S5-186122 pCR 28.805 Add key issues for communication services management**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-186458**.

**S5-186458 pCR 28.805 Add key issues for communication services management**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Huawei*

(Replaces S5-186122)

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

**S5-186182 Rel-16 draft TR Skeleton 28.805**

*Type: draft TR For: (not specified)  
 28.805 v0.0.0  
 Source: Ericsson LM*

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

**S5-186224 pCR 28.805 Add table of content**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Ericsson LM*

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

**S5-186225 pCR 28.805 Add introduction and scope**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-186457**.

**S5-186457 pCR 28.805 Add introduction and scope**

*Type: pCR For: Approval  
 28.805 v0.0.0  
 Source: Ericsson LM*

(Replaces S5-186225)

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

**S5-186364 Sequence proposal for study on management aspects of communication services**

*Type: other For: Information  
 Source: Ericsson*

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

**S5-186456 Draft TR 28.805**

*Type: draft TR For: Approval  
 28.805 v0.1.0  
 Source: Ericsson*

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

#### 6.6.8 Study on Self-Organizing Networks (SON) for 5G

**S5-186038 Minutes of Study on Self-Organizing Networks (SON) for 5G**

*Type: report For: (not specified)  
 Source: Rapporteur (Intel)*

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

**S5-186105 Skeleton for TR 28.861**

*Type: draft TR For: Approval  
 28.861 v0.0.0  
 Source: Intel Mobile France*

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

**S5-186228 pCR 28.861 add table of content**

*Type: pCR For: Approval  
 28.861 v12.0.0  
 Source: Intel Mobile France*

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

**S5-186230 pCR 28.861 add scope**

*Type: pCR For: Approval  
 28.861 v12.0.0  
 Source: Intel Mobile France*

**Decision:** The document was **revised to S5-186464**.

**S5-186464 pCR 28.861 add scope**

*Type: pCR For: Approval  
 28.861 v12.0.0  
 Source: Intel Mobile France*

(Replaces S5-186230)

**Decision:** The document was **revised to S5-186483**.

**S5-186483 pCR 28.861 add scope**

*Type: pCR For: Approval  
 28.861 v12.0.0  
 Source: Intel Mobile France*

(Replaces S5-186464)

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

**S5-186232 pCR 28.861 add SON overview**

*Type: pCR For: Approval  
 28.861 v12.0.0  
 Source: Intel Mobile France*

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

**S5-186233 pCR 28.861 add SON frameworks**

*Type: pCR For: Approval  
 28.823 v12.0.0  
 Source: Intel Mobile France*

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

**S5-186235 pCR 28.861 add use case for RAN condition data**

*Type: pCR For: Approval  
 28.861 v12.0.0  
 Source: Intel Mobile France*

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

**S5-186265 pCR 28.861 add SON overview**

*Type: pCR For: Approval  
 28.861 v16.0.0  
 Source: Intel Mobile France, Verizon*

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

**S5-186465 pCR 28.861 add SON overview**

*Type: pCR For: Approval  
 28.861 v16.0.0  
 Source: Intel Mobile France, Verizon*

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

**S5-186266 pCR 28.861 add SON frameworks**

*Type: pCR For: Approval  
 28.861 v16.0.0  
 Source: Intel Mobile France, Verizon*

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

**S5-186467 pCR 28.861 add SON frameworks**

*Type: pCR For: Approval  
 28.861 v16.0.0  
 Source: Intel Mobile France, Verizon*

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

**S5-186267 pCR 28.861 add use case for RAN condition data**

*Type: pCR For: Approval  
 28.861 v16.0.0  
 Source: Intel Mobile France, Verizon*

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

**S5-186463 Draft TR 28.861**

*Type: draft TR For: Approval  
 28.861 v0.1.0  
 Source: Intel*

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

## 7 Charging

### 7.1 Charging Plenary

**S5-186039 CH Agenda and Time Plan**

*Type: agenda For: (not specified)  
 Source: CH SWG Chair*

**Decision:** The document was **revised to S5-186287**.

**S5-186287 CH Agenda and Time Plan**

*Type: agenda For: -  
 Source: CH SWG Chair*

(Replaces S5-186039)

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

**S5-186040 CH Executive Report**

*Type: report For: (not specified)  
 Source: CH SWG Chair*

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

**S5-186043 Resubmitted Reply LS from CT3 to SA5 on Addition of AVP code definitions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C3-183701*

**Decision:** The document was **replied to in S5-186288**.

**S5-186288 Reply to: Resubmitted Reply LS from CT3 to SA5 on Addition of AVP code definitions**

*Type: LS out For: approval  
 to CT3  
 Source: Huawei*

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

**S5-186044 Reply LS from CT4 to SA5 on template availability in TS 29.501**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-186360*

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

**S5-186055 LS from RAN3 cc SA5 on Data Volume Reporting in 5GC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-185307*

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

**S5-186057 LS from SA1 to SA5 on Multi-identity and multi-device requirements**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S1-182744*

**Decision:** The document was **replied to in S5-186289**.

**S5-186289 Reply to: LS from SA1 to SA5 on Multi-identity and multi-device requirements**

*Type: LS out For: approval  
 to SA1  
 Source: Ericsson*

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

### 7.2 New Charging Work Item proposals

**S5-186111 New SID on Charging Aspects of Network Slicing in 5G Phase 2**

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

**Decision:** The document was **revised to S5-186290**.

**S5-186290 New SID on Charging Aspects of Network Slicing in 5G Phase 2**

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

(Replaces S5-186111)

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

**S5-186112 New WID on 5G Online and Offline Charging Services**

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

**Decision:** The document was **revised to S5-186291**.

**S5-186291 New WID on 5G Online and Offline Charging Services**

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

(Replaces S5-186112)

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

**S5-186113 New WID on Charging Enhancement of 5GC interworking with EPC**

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

**Decision:** The document was **revised to S5-186292**.

**S5-186292 New WID on Charging Enhancement of 5GC interworking with EPC**

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

(Replaces S5-186113)

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

### 7.3 Charging Maintenance and Rel-16 small Enhancements

**S5-186084 R15 CR 32.251 Correction in OCS subscription to multiple PRA(s)**

*Type: CR For: Agreement  
 32.251 v15.3.0 CR-0506 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186305**.

**S5-186305 R15 CR 32.251 Correction in OCS subscription to multiple PRA(s)**

*Type: CR For: Agreement  
 32.251 v15.3.0 CR-0506 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186084)

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

**S5-186085 R15 CR 32.299 Correction on reporting UE-dedicated PRA(s) to OCS**

*Type: CR For: Agreement  
 32.299 v15.4.0 CR-0814 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186306**.

**S5-186306 R15 CR 32.299 Correction on reporting UE-dedicated PRA(s) to OCS**

*Type: CR For: Agreement  
 32.299 v15.4.0 CR-0814 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186085)

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

**S5-186086 R15 CR 32.251 Correction on multiple PRA(s) in offline charging**

*Type: CR For: Agreement  
 32.251 v15.3.0 CR-0507 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186307**.

**S5-186307 R15 CR 32.251 Correction on multiple PRA(s) in offline charging**

*Type: CR For: Agreement  
 32.251 v15.3.0 CR-0507 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186086)

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

**S5-186087 R15 CR 32.299 Correction on multiple PRA(s) in offline charging**

*Type: CR For: Agreement  
 32.299 v15.4.0 CR-0815 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186308**.

**S5-186308 R15 CR 32.299 Correction on multiple PRA(s) in offline charging**

*Type: CR For: Agreement  
 32.299 v15.4.0 CR-0815 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186087)

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

**S5-186088 R15 CR 32.298 Correction on multiple PRA(s) in offline charging**

*Type: CR For: Agreement  
 32.298 v15.4.0 CR-0671 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186421**.

**S5-186421 R15 CR 32.298 Correction on multiple PRA(s) in offline charging**

*Type: CR For: Agreement  
 32.298 v15.4.0 CR-0671 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186088)

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

**S5-186089 R15 CR 32.298 Correction of session priority values description**

*Type: CR For: Agreement  
 32.298 v15.4.0 CR-0672 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-186090 R15 CR 32.297 Add new 5G TS in CDR header description**

*Type: CR For: Agreement  
 32.297 v15.1.0 CR-0031 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-186091 R12 CR 32.298 Correction on wrong references**

*Type: CR For: Agreement  
 32.298 v12.14.0 CR-0673 Cat: F (Rel-12)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186301**.

**S5-186301 R12 CR 32.298 Correction on wrong references**

*Type: CR For: Agreement  
 32.298 v12.14.0 CR-0673 rev 1 Cat: F (Rel-12)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186091)

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

**S5-186092 R13 CR 32.298 Correction on wrong references**

*Type: CR For: Agreement  
 32.298 v13.10.0 CR-0674 Cat: A (Rel-13)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186302**.

**S5-186302 R13 CR 32.298 Correction on wrong references**

*Type: CR For: Agreement  
 32.298 v13.10.0 CR-0674 rev 1 Cat: A (Rel-13)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186092)

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

**S5-186093 R14 CR 32.298 Correction on wrong references**

*Type: CR For: Agreement  
 32.298 v14.6.0 CR-0675 Cat: A (Rel-14)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186303**.

**S5-186303 R14 CR 32.298 Correction on wrong references**

*Type: CR For: Agreement  
 32.298 v14.6.0 CR-0675 rev 1 Cat: A (Rel-14)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186093)

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

**S5-186094 R15 CR 32.298 Correction on wrong references**

*Type: CR For: Agreement  
 32.298 v15.4.0 CR-0676 Cat: A (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186304**.

**S5-186304 R15 CR 32.298 Correction on wrong references**

*Type: CR For: Agreement  
 32.298 v15.4.0 CR-0676 rev 1 Cat: A (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186094)

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

**S5-186095 R15 CR 32.260 Solve Editor's Note on Access Network charging Identifier**

*Type: CR For: Agreement  
 32.260 v15.0.0 CR-0394 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186310**.

**S5-186310 R15 CR 32.260 Solve Editor's Note on Access Network charging Identifier**

*Type: CR For: Agreement  
 32.260 v15.0.0 CR-0394 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186095)

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

**S5-186096 R15 CR 32.299 Solve Editor's Note on Access Network charging Identifier**

*Type: CR For: Agreement  
 32.299 v15.4.0 CR-0816 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186419**.

**S5-186419 R15 CR 32.299 Solve Editor's Note on Access Network charging Identifier**

*Type: CR For: Agreement  
 32.299 v15.4.0 CR-0816 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186096)

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

**S5-186097 R15 CR 32.298 Solve Editor's Note on Access Network charging Identifier**

*Type: CR For: Agreement  
 32.298 v15.4.0 CR-0677 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186420**.

**S5-186420 R15 CR 32.298 Solve Editor's Note on Access Network charging Identifier**

*Type: CR For: Agreement  
 32.298 v15.4.0 CR-0677 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186097)

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

**S5-186114 R15 CR 32.254 Correction on TTRI and TLTRI**

*Type: CR For: Agreement  
 32.254 v15.0.0 CR-0001 Cat: F (Rel-15)  
  
 Source: Huawei Technologies*

**Decision:** The document was **revised to S5-186311**.

**S5-186311 R15 CR 32.254 Correction on TTRI and TLTRI**

*Type: CR For: Agreement  
 32.254 v15.0.0 CR-0001 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei Technologies*

(Replaces S5-186114)

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

**S5-186115 R15 CR 32.298 Correction on TTRI and TLTRI**

*Type: CR For: Agreement  
 32.298 v15.4.0 CR-0678 Cat: F (Rel-15)  
  
 Source: Huawei Technologies*

**Decision:** The document was **revised to S5-186312**.

**S5-186312 R15 CR 32.298 Correction on TTRI and TLTRI**

*Type: CR For: Agreement  
 32.298 v15.4.0 CR-0678 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei Technologies*

(Replaces S5-186115)

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

**S5-186116 R15 CR 32.299 Correction on TTRI and TLTRI**

*Type: CR For: Agreement  
 32.299 v15.4.0 CR-0817 Cat: F (Rel-15)  
  
 Source: Huawei Technologies*

**Decision:** The document was **revised to S5-186313**.

**S5-186313 R15 CR 32.299 Correction on TTRI and TLTRI**

*Type: CR For: Agreement  
 32.299 v15.4.0 CR-0817 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei Technologies*

(Replaces S5-186116)

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

**S5-186123 R15 CR 32.255 Correction on the User Information**

*Type: CR For: Agreement  
 32.255 v15.0.0 CR-0001 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186314**.

**S5-186314 R15 CR 32.255 Correction on the User Information**

*Type: CR For: Agreement  
 32.255 v15.0.0 CR-0001 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186123)

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

**S5-186124 R15 CR 32.291 Correction on the Reference and Resource name**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0001 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186315**.

**S5-186315 R15 CR 32.291 Correction on the Reference and Resource name**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0001 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186124)

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

**S5-186125 R15 CR 32.291 Editorial Correction**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0002 Cat: D (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186316**.

**S5-186316 R15 CR 32.291 Editorial Correction**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0002 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186125)

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

**S5-186126 R15 CR 32.291 Data Type Applicability Correction**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0003 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186376**.

**S5-186376 R15 CR 32.291 Data Type Applicability Correction**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0003 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186126)

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

**S5-186127 R15 CR 32.291 Serving Node ID Correction**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0004 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186377**.

**S5-186377 R15 CR 32.291 Serving Node ID Correction**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0004 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186127)

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

**S5-186128 R15 CR 32.290 Failure Handling Mechnism Description Clarification**

*Type: CR For: Agreement  
 32.290 v15.1.0 CR-0018 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186378**.

**S5-186378 R15 CR 32.290 Failure Handling Mechnism Description Clarification**

*Type: CR For: Agreement  
 32.290 v15.1.0 CR-0018 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186128)

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

**S5-186129 R15 CR 32.291 Failure Handling Mechnism Clarification**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0005 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-186379**.

**S5-186379 R15 CR 32.291 Failure Handling Mechnism Clarification**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0005 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-186129)

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

**S5-186198 Rel-15 CR 32.291 Correctons to CommonData reference**

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

**Decision:** The document was **revised to S5-186380**.

**S5-186380 Rel-15 CR 32.291 Correctons to CommonData reference**

*Type: CR For: Approval  
 32.291 v15.0.0 CR-0006 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-186198)

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

**S5-186199 Rel-15 CR 32.291 Faulty references to TS 29.512, TS 29.514 and data types**

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

**Decision:** The document was **revised to S5-186381**.

**S5-186381 Rel-15 CR 32.291 Faulty references to TS 29.512, TS 29.514 and data types**

*Type: CR For: Approval  
 32.291 v15.0.0 CR-0007 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-186199)

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

**S5-186200 Rel-15 CR 32.290 Clarifying requested units handling**

*Type: CR For: Approval  
 32.290 v15.1.0 CR-0019 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-186382**.

**S5-186382 Rel-15 CR 32.290 Clarifying requested units handling**

*Type: CR For: Approval  
 32.290 v15.1.0 CR-0019 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-186200)

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

**S5-186201 Rel-15 CR 32.291 Clarifying requested units handling**

*Type: CR For: Approval  
 32.291 v15.0.0 CR-0008 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-186383**.

**S5-186383 Rel-15 CR 32.291 Clarifying requested units handling**

*Type: CR For: Approval  
 32.291 v15.0.0 CR-0008 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-186201)

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

**S5-186202 Rel-15 CR 32.298 Correction of NetworkFunctionID in CHF CDR**

*Type: CR For: Approval  
 32.298 v15.4.0 CR-0679 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-186384**.

**S5-186384 Rel-15 CR 32.298 Correction of NetworkFunctionID in CHF CDR**

*Type: CR For: Approval  
 32.298 v15.4.0 CR-0679 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-186202)

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

**S5-186203 Rel-15 CR 32.255 Charging Characteristics in roaming**

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

**Decision:** The document was **revised to S5-186387**.

**S5-186387 Rel-15 CR 32.255 Charging Characteristics in roaming**

*Type: CR For: Approval  
 32.255 v15.0.0 CR-0002 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-186203)

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

**S5-186205 Rel-15 CR 32.255 Clarification of CHF selection**

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

**Decision:** The document was **revised to S5-186388**.

**S5-186388 Rel-15 CR 32.255 Clarification of CHF selection**

*Type: CR For: Approval  
 32.255 v15.0.0 CR-0003 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-186205)

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

**S5-186206 Rel-15 CR 32.255 Clarification of Charging Identifier handling**

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

**Decision:** The document was **revised to S5-186385**.

**S5-186385 Rel-15 CR 32.255 Clarification of Charging Identifier handling**

*Type: CR For: Approval  
 32.255 v15.0.0 CR-0004 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-186206)

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

**S5-186208 Rel-15 CR 32.291 Remove of underscore in the API name**

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

**Decision:** The document was **revised to S5-186386**.

**S5-186386 Rel-15 CR 32.291 Remove of underscore in the API name**

*Type: CR For: Approval  
 32.291 v15.0.0 CR-0009 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-186208)

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

**S5-186254 R15 CR 32.255 Complete description for CHF selection in roaming**

*Type: CR For: Agreement  
 32.255 v15.0.0 CR-0005 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186389**.

**S5-186389 R15 CR 32.255 Correction of errors from Edithelp**

*Type: CR For: Agreement  
 32.255 v15.0.0 CR-0005 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186254)

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

**S5-186255 R15 CR 32.291 Correction of data type for subscriber identifier**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0010 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186390**.

**S5-186390 R15 CR 32.291 Correction of data type for subscriber identifier**

*Type: CR For: Agreement  
 32.291 v15.0.0 CR-0010 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186255)

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

**S5-186281 R15 CR 32.255 Correction on flows for alignment with TS 23.502**

*Type: CR For: Agreement  
 32.255 v15.0.0 CR-0006 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186418**.

**S5-186418 R15 CR 32.255 Correction on flows for alignment with TS 23.502**

*Type: CR For: Agreement  
 32.255 v15.0.0 CR-0006 rev 1 Cat: F (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186281)

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

**S5-186309 LS to CT3 on PRA extension for offline charging**

*Type: LS out For: Approval  
 to CT3  
 Source: Charging SWG*

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

### 7.4 Rel-15 Charging

#### 7.4.1 SMS Charging in 5G System Architecture Phase 1

**S5-186209 Rel-15 CR 32.274 Addition of Converged Charging flows**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0053 Cat: B (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-186295**.

**S5-186295 Rel-15 CR 32.274 Addition of Converged Charging flows**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0053 rev 1 Cat: B (Rel-15)  
  
 Source: Ericsson, Nokia, Nokia Shanghai Bell*

(Replaces S5-186209)

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

**S5-186210 Rel-15 CR 32.298 Addition of SMS Charging to CHF CDR**

*Type: CR For: Agreement  
 32.298 v15.4.0 CR-0680 Cat: B (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-186300**.

**S5-186300 Rel-15 CR 32.298 Addition of SMS Charging to CHF CDR**

*Type: CR For: Agreement  
 32.298 v15.4.0 CR-0680 rev 1 Cat: B (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-186210)

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

**S5-186247 R15 CR 32.240 Introduction of SMSF in charging architecture for 5GS**

*Type: CR For: Agreement  
 32.240 v15.3.0 CR-0408 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186293**.

**S5-186293 R15 CR 32.240 Introduction of SMSF in charging architecture for 5GS**

*Type: CR For: Agreement  
 32.240 v15.3.0 CR-0408 rev 1 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186247)

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

**S5-186248 R15 CR 32.274 Introduction of SMSF as a new Node for SMS charging**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0054 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-18294**.

**S5-186294 R15 CR 32.274 Introduction of SMSF as a new Node for SMS charging**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0054 rev 1 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186248)

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

**S5-186249 R15 CR 32.274 Introduction of SMS charging scenario for SMSF**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0055 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-186250 R15 CR 32.274 Introduction of CHF CDR generation for SMSF**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0056 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186296**.

**S5-186296 R15 CR 32.274 Introduction of CHF CDR generation for SMSF**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0056 rev 1 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186250)

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

**S5-186251 R15 CR 32.274 Introduction of Message content charging SMSF**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0057 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186297**.

**S5-186297 R15 CR 32.274 Introduction of Message content charging SMSF**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0057 rev 1 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186251)

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

**S5-186252 R15 CR 32.274 Introduction of CHF CDR description for SMSF**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0058 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186298**.

**S5-186298 R15 CR 32.274 Introduction of CHF CDR description for SMSF**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0058 rev 1 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186252)

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

**S5-186253 R15 CR 32.274 Introduction of SMS information converged charging**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0059 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-186299**.

**S5-186299 R15 CR 32.274 Introduction of SMS information converged charging**

*Type: CR For: Agreement  
 32.274 v15.0.0 CR-0059 rev 1 Cat: B (Rel-15)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-186253)

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

### 7.5 Rel-16 Charging

#### 7.5.1 Volume Based Charging Aspects for VoLTE

### 7.6 Charging Studies

## 8 Any Other Business

The Chair announced that the SA5 plenary session would start on Monday at 8:30AM in the next meeting in Spokane.

## 9 Closing of the meeting

The Chairman thanked IF3 for hosting the meeting in Kochi, and to the delegates for the hard work during the week. After this, the meeting was closed.

## Annex A: List of contribution documents

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| * S5-186000 | * Agenda | * WG Chairman | * approved |  |  |
| * S5-186001 | * IPR and legal declaration | * WG Chairman | * noted |  |  |
| * S5-186002 | * Report from last SA5 meeting | * MCC | * approved |  |  |
| * S5-186003 | * SA5 status report at last SA meeting | * WG Chairman | * noted |  |  |
| * S5-186004 | * SA5 results at last SA meeting | * WG Chairman | * noted |  |  |
| * S5-186005 | * Leaders meeting agenda | * WG Chairman | * noted |  |  |
| * S5-186006 | * Leaders meeting minutes | * WG Chairman | * noted |  |  |
| * S5-186007 | * SA5 Working Procedures | * WG Vice Chair (Huawei) | * noted |  |  |
| * S5-186008 | * SA5 Meeting Facility Requirements | * WG Vice Chair (Orange) | * approved |  |  |
| * S5-186009 | * Process for management of draft TSs/TRs | * WG Chairman | * approved |  |  |
| * S5-186010 | * CR Quality Check | * MCC | * noted |  |  |
| * S5-186011 | * Status of email approvals | * WG Vice Chair (Orange) | * reserved |  |  |
| * S5-186012 | * SA5 Meeting Calendar | * WG Chairman | * revised |  | * S5-186492 |
| * S5-186013 | * Deliverables due for the NEXT SA Plenary | * MCC | * noted |  |  |
| * S5-186014 | * Ongoing SA5 WIDs and SIDs | * WG Vice Chair (Huawei) | * withdrawn |  |  |
| * S5-186015 | * 3GPP SA5 Work Plan | * MCC | * noted |  |  |
| * S5-186016 | * Work Plan status | * WG Chair | * reserved |  |  |
| * S5-186017 | * Time Plan for OAM&P | * WG Vice Chair (Huawei) | * revised |  | * S5-186285 |
| * S5-186018 | * OAM Executive Report | * WG Vice Chair (Huawei) | * revised |  | * S5-186489 |
| * S5-186019 | * OAM&P SWG action list | * WG Vice Chair (Huawei) | * revised |  | * S5-186412 |
| * S5-186020 | * Minutes of OAM&P SWG opening session | * WG Chair | * noted |  |  |
| * S5-186021 | * Minutes of New Work Item proposals - OAM&P | * WG Chair | * noted |  |  |
| * S5-186022 | * Minutes of OAM&P Maintenance and Rel-15 small Enhancements | * MCC | * noted |  |  |
| * S5-186023 | * Minutes of Assurance data and Performance Management for 5G networks and network slicing | * Rapporteur (Intel) | * noted |  |  |
| * S5-186024 | * Minutes of Management of QoE measurement collection | * Rapporteur (Ericsson) | * noted |  |  |
| * S5-186025 | * Minutes of Energy effciency of 5G | * Rapporteur (ORANGE) | * noted |  |  |
| * S5-186026 | * Minutes of Study on OAM aspects of LTE and WLAN integration | * Rapporteur (Intel) | * noted |  |  |
| * S5-186027 | * Minutes of Network policy management for mobile networks based on NFV scenarios | * Rapporteur (China Mobile) | * noted |  |  |
| * S5-186028 | * Minutes of Methodology for 5G management specifications | * Rapporteur (Ericsson) | * noted |  |  |
| * S5-186029 | * Minutes of Intent driven management service for mobile networks | * Rapporteur (Huawei) | * noted |  |  |
| * S5-186030 | * Minutes of Enhancement of performance assurance for 5G networks including network slicing | * Rapporteur (Intel) | * noted |  |  |
| * S5-186031 | * Minutes for Study on system and functional aspects of Energy Efficiency in 5G networks | * Rapporteur (ORANGE) | * noted |  |  |
| * S5-186032 | * Minutes of Study on integration of ONAP DCAE and 3GPP management architecture | * Rapporteur ORANGE) | * noted |  |  |
| * S5-186033 | * Minutes of Study on integration of ONAP and 3GPP configuration management services for 5G networks | * Rapporteur (Ericsson) | * noted |  |  |
| * S5-186034 | * Minutes of Study on protocol enhancement for real time communication | * Rapporteur(Nokia) | * withdrawn |  |  |
| * S5-186035 | * Minutes of Study on management aspects of edge computing | * Rapporteur (Intel) | * noted |  |  |
| * S5-186036 | * Minutes of Study on tenancy concept in 5G networks and network slicing management | * Rapporteur (Huawei) | * noted |  |  |
| * S5-186037 | * Minutes of Study on management aspects of communication services | * Rapporteur (Ericsson) | * noted |  |  |
| * S5-186038 | * Minutes of Study on Self-Organizing Networks (SON) for 5G | * Rapporteur (Intel) | * noted |  |  |
| * S5-186039 | * CH Agenda and Time Plan | * CH SWG Chair | * revised |  | * S5-186287 |
| * S5-186040 | * CH Executive Report | * CH SWG Chair | * noted |  |  |
| * S5-186041 | * TS 28.310 Skeleton | * Orange | * approved |  |  |
| * S5-186042 | * pCR TS 28.310 – Concepts and overview | * Orange | * revised |  | * S5-186374 |
| * S5-186043 | * Resubmitted Reply LS from CT3 to SA5 on Addition of AVP code definitions | * C3-183701 | * replied to |  |  |
| * S5-186044 | * Reply LS from CT4 to SA5 on template availability in TS 29.501 | * C4-186360 | * noted |  |  |
| * S5-186045 | * LS from CT4 cc SA5 on API specification and API version number maintenance | * C4-186602 | * noted |  |  |
| * S5-186046 | * Reply LS from TSG CT to SA5 on API specification and API version number maintenance | * CP-182239 | * postponed |  |  |
| * S5-186047 | * Liaison to 3GPP SA5 on Energy Efficiency for 5G | * ETSI TC EE | * replied to |  |  |
| * S5-186048 | * LS to SA5 on Joint ETSI - OSA Workshop: Open Implementations & Standardization | * ETSI | * noted |  |  |
| * S5-186049 | * Resubmitted LS from IETF to SA5 on Further Information About IETF Work Relevant to Network Slicing | * IETF | * noted |  |  |
| * S5-186050 | * Resubmitted LS from GSMA to SA5 on Publication of new paper on network slicing and future plans | * GSMA NEST | * replied to |  |  |
| * S5-186051 | * Resubmitted Lsout from ETSI NFV (forwarded to SA5) to various organisations on usage of NFV Specifications | * ETSI ISG NFV | * replied to |  |  |
| * S5-186052 | * LS from ETSI NFV to SA5 on ETSI starts work on YANG models for Virtualised Network Function and Network Services Descriptor specification | * ETSI ISG NFV | * noted |  |  |
| * S5-186053 | * LS from ETSI NFV to SA5 on Clarifications on support of priority of NFV NS in context of Network Slicing | * ETSI ISG NFV | * replied to |  |  |
| * S5-186054 | * LSOut reply from ETSI NFV to 3GPP SA5 on connectivity among PNF and VNF instances | * ETSI ISG NFV | * noted |  |  |
| * S5-186055 | * LS from RAN3 cc SA5 on Data Volume Reporting in 5GC | * R3-185307 | * noted |  |  |
| * S5-186056 | * LS from RAN4 cc SA5 on RAN2 progress on ANR | * R4-1811851 | * noted |  |  |
| * S5-186057 | * LS from SA1 to SA5 on Multi-identity and multi-device requirements | * S1-182744 | * replied to |  |  |
| * S5-186058 | * LS from SA2 to SA5 on Slice related Data Analytics | * S2-189049 | * replied to |  |  |
| * S5-186059 | * Reply LS from SA3 cc SA5 on Bluetooth/WLAN measurement collection in MDT | * S3-182592 | * noted |  |  |
| * S5-186060 | * Resubmitted Reply LS from SA4 to SA5 on Attributes for QoE measurement collection | * S4-180240 | * postponed |  |  |
| * S5-186061 | * Resubmitted LS from ITU-T to SA5 on LS on cooperation on REST-based network management framework | * ITU-T SG2 | * postponed |  |  |
| * S5-186062 | * LS from ITU-T to SA5 on LS on consent of draft Recommendation Y.3103 (formerly Y.IMT2020-BM) | * ITU-T SG13 | * replied to |  |  |
| * S5-186063 | * pCR TR 32.972 Edithelp comments | * Orange | * approved |  |  |
| * S5-186064 | * pCR TR 32.972 – Potential solutions | * Orange | * revised |  | * S5-186432 |
| * S5-186065 | * skeleton TR 28.812-000 | * HUAWEI Technologies Japan K.K. | * approved |  |  |
| * S5-186066 | * Draft TR 28.804 Skeleton | * HUAWEI TECH. GmbH | * approved |  |  |
| * S5-186067 | * LS out to RAN3 about providing the necessary information for UE throughput through F1 interface | * ZTE Corporation | * noted |  |  |
| * S5-186068 | * R16 CR 28.552 Add CQI measurement | * ZTE Corporation | * not pursued |  | * - |
| * S5-186069 | * Update Figure 4.2.1-3 to solve the clash between CR28 and CR30 | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186325 |
| * S5-186070 | * Fix issues raised by EditHelp | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186326 |
| * S5-186071 | * Update NR IS definition to align with TS 37.340 for MR-DC | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186268 |
| * S5-186072 | * Update 5GC IS to align with TS 23.501 for 5GC architecture | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186327 |
| * S5-186073 | * Update 5GC IS for SBI definition | * Nokia, Nokia Shanghai Bell | * withdrawn |  |  |
| * S5-186074 | * Update xml SS of NR to align with IS | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186328 |
| * S5-186075 | * Update JSON SS of NR to align with IS | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186329 |
| * S5-186076 | * Update YANG SS of NR to align with IS | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186330 |
| * S5-186077 | * Update xml SS of 5GC to align with IS | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186331 |
| * S5-186078 | * Update JSON SS of 5GC to align with IS | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186332 |
| * S5-186079 | * Update YANG SS of 5GC to align with IS | * Nokia, Nokia Shanghai Bell | * withdrawn |  |  |
| * S5-186080 | * Update xml SS of NS to align with IS | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186333 |
| * S5-186081 | * Update JSON SS of NS to align with IS | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186334 |
| * S5-186082 | * Update YANG SS of NS to align with IS | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186335 |
| * S5-186083 | * TD YANG Module or Submodule | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186336 |
| * S5-186084 | * R15 CR 32.251 Correction in OCS subscription to multiple PRA(s) | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186305 |
| * S5-186085 | * R15 CR 32.299 Correction on reporting UE-dedicated PRA(s) to OCS | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186306 |
| * S5-186086 | * R15 CR 32.251 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186307 |
| * S5-186087 | * R15 CR 32.299 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186308 |
| * S5-186088 | * R15 CR 32.298 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186421 |
| * S5-186089 | * R15 CR 32.298 Correction of session priority values description | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-186090 | * R15 CR 32.297 Add new 5G TS in CDR header description | * Nokia, Nokia Shanghai Bell | * agreed |  |  |
| * S5-186091 | * R12 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186301 |
| * S5-186092 | * R13 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186302 |
| * S5-186093 | * R14 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186303 |
| * S5-186094 | * R15 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186304 |
| * S5-186095 | * R15 CR 32.260 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186310 |
| * S5-186096 | * R15 CR 32.299 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186419 |
| * S5-186097 | * R15 CR 32.298 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186420 |
| * S5-186098 | * Rel-15 CR TS 28.552 Remove the redundant measurement of end-to-end latency | * Huawei | * revised |  | * S5-186337 |
| * S5-186099 | * Rel-15 CR TS 28.532 Modification of reference | * Huawei | * withdrawn |  |  |
| * S5-186100 | * Rel-16 CR 28.533 Add concept of service registration and discovery | * Huawei | * revised |  | * S5-186338 |
| * S5-186101 | * pCR 28.812 General concept for Intent driven management | * Huawei | * revised |  | * S5-186414 |
| * S5-186102 | * pCR 28.812 Add intent driven network provisioning scenario | * Huawei | * revised |  | * S5-186417 |
| * S5-186103 | * pCR 28.812 Key issues for IDM study | * Huawei | * revised |  | * S5-186416 |
| * S5-186104 | * pCR 28.805 Add mangement support for Service SLA | * Huawei | * revised |  | * S5-186459 |
| * S5-186105 | * Skeleton for TR 28.861 | * Intel Mobile France | * approved |  |  |
| * S5-186106 | * Rel-15 CR 28.526 Add a procedure to associate an VNF instance with a VNF profile | * Intel Mobile France | * revised |  | * S5-186340 |
| * S5-186107 | * Rel-15 CR 28.526 Add a procedure to associate an PNF with a PNF profile | * Intel Mobile France | * revised |  | * S5-186341 |
| * S5-186108 | * pCR TR 28.900 No subscribe in ONAP | * AT&T, Orange | * revised |  | * S5-186434 |
| * S5-186109 | * pCR TR 28.900 No PM job control in ONAP | * AT&T, Orange | * revised |  | * S5-186436 |
| * S5-186110 | * pCR TR 28.900 FM-PM Data Reporting Methods | * AT&T, Orange | * revised |  | * S5-186438 |
| * S5-186111 | * New SID on Charging Aspects of Network Slicing in 5G Phase 2 | * Huawei Technologies | * revised |  | * S5-186290 |
| * S5-186112 | * New WID on 5G Online and Offline Charging Services | * Huawei Technologies | * revised |  | * S5-186291 |
| * S5-186113 | * New WID on Charging Enhancement of 5GC interworking with EPC | * Huawei Technologies | * revised |  | * S5-186292 |
| * S5-186114 | * R15 CR 32.254 Correction on TTRI and TLTRI | * Huawei Technologies | * revised |  | * S5-186311 |
| * S5-186115 | * R15 CR 32.298 Correction on TTRI and TLTRI | * Huawei Technologies | * revised |  | * S5-186312 |
| * S5-186116 | * R15 CR 32.299 Correction on TTRI and TLTRI | * Huawei Technologies | * revised |  | * S5-186313 |
| * S5-186117 | * pCR 28.804 Add tenant management concept | * Huawei | * noted |  | * - |
| * S5-186118 | * pCR 28.804 Add key issues for tenant management | * Huawei | * revised |  | * S5-186452 |
| * S5-186119 | * pCR 28.805 Add concept of SLA management | * Huawei | * noted |  | * - |
| * S5-186120 | * pCR 28.805 Add types of communication services | * Huawei | * revised |  | * S5-186461 |
| * S5-186121 | * pCR 28.805 Add management aspects of communication services | * Huawei | * revised |  | * S5-186462 |
| * S5-186122 | * pCR 28.805 Add key issues for communication services management | * Huawei | * revised |  | * S5-186458 |
| * S5-186123 | * R15 CR 32.255 Correction on the User Information | * Huawei | * revised |  | * S5-186314 |
| * S5-186124 | * R15 CR 32.291 Correction on the Reference and Resource name | * Huawei | * revised |  | * S5-186315 |
| * S5-186125 | * R15 CR 32.291 Editorial Correction | * Huawei | * revised |  | * S5-186316 |
| * S5-186126 | * R15 CR 32.291 Data Type Applicability Correction | * Huawei | * revised |  | * S5-186376 |
| * S5-186127 | * R15 CR 32.291 Serving Node ID Correction | * Huawei | * revised |  | * S5-186377 |
| * S5-186128 | * R15 CR 32.290 Failure Handling Mechnism Description Clarification | * Huawei | * revised |  | * S5-186378 |
| * S5-186129 | * R15 CR 32.291 Failure Handling Mechnism Clarification | * Huawei | * revised |  | * S5-186379 |
| * S5-186130 | * Rel-15 CR TS 28.532 Correction of references | * Huawei | * revised |  | * S5-186342 |
| * S5-186131 | * Rel-15 CR TS 28.532 Correction of the usage of must | * Huawei | * revised |  | * S5-186343 |
| * S5-186132 | * Rel-15 CR TS 28.532 Correction of the numbering and title of figures and tables | * Huawei | * revised |  | * S5-186344 |
| * S5-186133 | * Rel-15 CR TS 28.531 Complete the reference information and rewording the note | * Huawei | * revised |  | * S5-186345 |
| * S5-186134 | * Rel-15 CR TS 28.531 Update operation names in the procedures of NSI provisioning | * Huawei | * agreed |  |  |
| * S5-186135 | * Rel-15 CR TS 28.531 Update operation names in the procedures of NSSI provisioning | * Huawei | * agreed |  |  |
| * S5-186136 | * Rel-15 CR TS 28.531 Update operation names in the procedures of NF provisioning | * Huawei | * revised |  | * S5-186346 |
| * S5-186137 | * Rel-15 CR TS 28.541 Correct the term sNSSAIList and nRTAC | * Huawei | * revised |  | * S5-186347 |
| * S5-186138 | * Rel-15 CR TS 28.541 Update the inheritance hierarchy figure for NR NRM to include BWP IOC and NRSectorCarrier IOC | * Huawei | * revised |  | * S5-186348 |
| * S5-186139 | * Rel-15 CR TS 28.541 Change the term nCGI to nCI | * Huawei | * revised |  | * S5-186349 |
| * S5-186140 | * Rel-15 CR TS 28.533 Update reference to TS 28.532 | * Huawei | * merged |  | * S5-186350 |
| * S5-186141 | * Rel-15 CR TS 28.532 Remove unnecessary Editor's Note and figure | * Huawei | * revised |  | * S5-186351 |
| * S5-186142 | * pCR 28.812 Add scope for intent driven management services for mobile network | * Huawei | * revised |  | * S5-186415 |
| * S5-186143 | * pCR 28.812 Add automation concept for the management of mobile networks | * Huawei | * withdrawn |  |  |
| * S5-186144 | * pCR 28.812 Add intent driven cell re-home scenario | * Huawei | * revised |  | * S5-186423 |
| * S5-186145 | * pCR 28.812 Add intent driven predictive load balance scenario | * Huawei | * revised |  | * S5-186424 |
| * S5-186146 | * pCR 28.812 Add intent driven cell update scenario | * Huawei | * revised |  | * S5-186425 |
| * S5-186147 | * pCR TS 28.550 Update concept for analytical KPI | * Huawei | * revised |  | * S5-186426 |
| * S5-186148 | * pCR TR 28.900 Correct the reference to configuration management related notifications | * Huawei | * approved |  |  |
| * S5-186149 | * pCR TR 32.972 Cleanup | * Ericsson, Orange | * approved |  |  |
| * S5-186150 | * CR CUPS NRM IOC clean up | * HUAWEI TECH. GmbH | * revised |  | * S5-186352 |
| * S5-186151 | * CR CUPS measurement clean up | * HUAWEI TECH. GmbH | * revised |  | * S5-186353 |
| * S5-186152 | * CR CUPS XML schema update | * HUAWEI TECH. GmbH | * revised |  | * S5-186354 |
| * S5-186153 | * CR CUPS CORBA schema update | * HUAWEI TECH. GmbH | * revised |  | * S5-186355 |
| * S5-186154 | * pCR Update NF measurement job creation and termination | * HUAWEI TECH. GmbH | * noted |  |  |
| * S5-186155 | * pCR 28.804 scope of tenancy TR | * HUAWEI TECH. GmbH | * revised |  | * S5-186450 |
| * S5-186156 | * R15 CR TS 28.545 Correction for Requirements of Fault Supervision Service | * China Mobile Com. Corporation | * revised |  | * S5-186356 |
| * S5-186157 | * New WID on Repository of management service in 5G network management | * HUAWEI TECH. GmbH | * revised |  | * S5-186323 |
| * S5-186158 | * pCR Tenancy definition in 3GPP management system | * HUAWEI TECH. GmbH | * revised |  | * S5-186451 |
| * S5-186159 | * R15 CR TS 28.545 Correction for Use Cases of Fault Supervision Service | * China Mobile Com. Corporation, ZTE | * not pursued |  | * - |
| * S5-186160 | * R15 CR TS 28.532 Update resource URI of alarmCount | * China Mobile Com. Corporation, ZTE | * revised |  | * S5-186357 |
| * S5-186161 | * Revised SID Study on 5G network and network slicing tenant management | * HUAWEI TECH. GmbH | * revised |  | * S5-186466 |
| * S5-186162 | * R15 CR TS 28.532 Remove Operation setComment | * China Mobile Com. Corporation, ZTE | * not pursued |  |  |
| * S5-186163 | * R15 CR TS 28.532 Remove Notification notifyCorrelatedNotificationChanged | * China Mobile Com. Corporation, ZTE | * not pursued |  |  |
| * S5-186164 | * R15 CR TS 28.532 change alarmIRP to FaultSupervisionMF | * ZTE, China Mobile | * revised |  | * S5-186358 |
| * S5-186165 | * R15 CR TS 28.532 change notificationIRP to notificationMF | * ZTE, China Mobile | * revised |  | * S5-186359 |
| * S5-186166 | * R15 CR TS 28.532 Remove Notification notifyPotentialFaultyAlarmList | * China Mobile Com. Corporation, ZTE | * not pursued |  |  |
| * S5-186167 | * R15 CR TS 28.532 Correct the subsription resourece related errors | * ZTE, China Mobile | * agreed |  |  |
| * S5-186168 | * R15 CR TS 28.532 Remove Notification notifyComments | * China Mobile Com. Corporation, ZTE | * not pursued |  |  |
| * S5-186169 | * R15 CR TS 28.532 Remove Notification notifyChangedAlarmGeneral | * China Mobile Com. Corporation, ZTE | * not pursued |  |  |
| * S5-186170 | * R15 CR TS 28.532 Remove Notification notifyAlarmListRebuilt | * China Mobile Com. Corporation, ZTE | * withdrawn |  |  |
| * S5-186171 | * R15 CR TS 28.532 Remove Notification notifyAlarmListRebuilt | * China Mobile Com. Corporation, ZTE | * not pursued |  |  |
| * S5-186172 | * pCR 28.900 skeleton for Integration of ONAP with 3GPP management services for configuration management purposes | * Nanjing Ericsson Panda Com Ltd | * revised |  | * S5-186445 |
| * S5-186173 | * R15 CR TS 28.532 General correction of alarm notifications | * China Mobile Com. Corporation, ZTE | * not pursued |  |  |
| * S5-186174 | * Discussion about how SA5/SA2 \_x00B\_work together to guarantee slice SLA | * China Mobile (Hangzhou) Inf. | * revised |  | * S5-186370 |
| * S5-186175 | * Reply LS on Slice related Data Analytics | * China Mobile (Hangzhou) Inf. | * revised |  | * S5-186371 |
| * S5-186176 | * Reference of Policy Management Interface specification | * China Mobile (Hangzhou) Inf. | * noted |  |  |
| * S5-186177 | * Reference of Policy Management Interface specification | * China Mobile (Hangzhou) Inf. | * withdrawn |  |  |
| * S5-186178 | * Scope of Policy Management Interface specification | * China Mobile (Hangzhou) Inf. | * revised |  | * S5-186398 |
| * S5-186179 | * Skeleton for Policy Management Interface specification | * China Mobile (Hangzhou) Inf. | * revised |  | * S5-186397 |
| * S5-186180 | * Skeleton for Policy Management Interface specification | * China Mobile (Hangzhou) Inf. | * withdrawn |  |  |
| * S5-186181 | * R16 CR 28.552 Add MCS Distribution measurement | * ZTE Corporation | * not pursued |  |  |
| * S5-186182 | * Rel-16 draft TR Skeleton 28.805 | * Ericsson LM | * approved |  |  |
| * S5-186183 | * R16 CR 28.541 Add BeamCoverage Class | * ZTE Corporation | * not pursued |  |  |
| * S5-186184 | * DP on integrating ONAP FM-PM into 3GPP 5G management framework – Subscribe/Notify | * AT&T, Deutsche Telekom, Orange | * revised |  | * S5-186433 |
| * S5-186185 | * DP on integrating ONAP FM-PM into 3GPP 5G management framework – PM job control | * AT&T, Deutsche Telekom, Orange | * revised |  | * S5-186435 |
| * S5-186186 | * DP on integrating ONAP FM-PM into 3GPP 5G management framework – PM FM reporting methods | * AT&T, Deutsche Telekom, Orange | * revised |  | * S5-186437 |
| * S5-186187 | * CR Rel-15 28662 on frequency band | * Ericsson Inc. | * revised |  | * S5-186360 |
| * S5-186188 | * CR Rel-15 28663 on frequency band | * Ericsson Inc. | * revised |  | * S5-186361 |
| * S5-186189 | * CR Rel-15 28541 Add NR attributes | * Ericsson Inc. | * not pursued |  | * - |
| * S5-186190 | * CR Rel-15 28541 Correct properties of cell state | * Ericsson Inc. | * revised |  | * S5-186362 |
| * S5-186191 | * CR Rel-15 28541 Correct use of nCI and nGCI | * Ericsson Inc. | * merged |  | * S5-186349 |
| * S5-186192 | * CR Rel-15 28662 Modify SectorEquipmentFunction properties to support NR | * Ericsson Inc. | * revised |  | * S5-186366 |
| * S5-186193 | * CR Rel-15 28663 Modify SectorEquipmentFunction properties to support NR | * Ericsson Inc. | * revised |  | * S5-186367 |
| * S5-186194 | * pCR Rel-15 28550-200 stream requirement and stage 2 | * Ericsson Inc. | * revised |  | * S5-186427 |
| * S5-186195 | * TD on NR cell relation | * Ericsson Inc. | * noted |  | * - |
| * S5-186196 | * TD Rel-15 28550-200 on file based solution | * Ericsson Inc. | * revised |  | * S5-186428 |
| * S5-186197 | * TD Rel-15 TS 28622 Generic NRM IS on Measurement Control | * Ericsson Inc. | * revised |  | * S5-186404 |
| * S5-186198 | * Rel-15 CR 32.291 Correctons to CommonData reference | * Ericsson | * revised |  | * S5-186380 |
| * S5-186199 | * Rel-15 CR 32.291 Faulty references to TS 29.512, TS 29.514 and data types | * Ericsson | * revised |  | * S5-186381 |
| * S5-186200 | * Rel-15 CR 32.290 Clarifying requested units handling | * Ericsson | * revised |  | * S5-186382 |
| * S5-186201 | * Rel-15 CR 32.291 Clarifying requested units handling | * Ericsson | * revised |  | * S5-186383 |
| * S5-186202 | * Rel-15 CR 32.298 Correction of NetworkFunctionID in CHF CDR | * Ericsson | * revised |  | * S5-186384 |
| * S5-186203 | * Rel-15 CR 32.255 Charging Characteristics in roaming | * Ericsson | * revised |  | * S5-186387 |
| * S5-186204 | * Discussion paper around Data Volume measurement | * Ericsson LM | * revised |  | * S5-186391 |
| * S5-186205 | * Rel-15 CR 32.255 Clarification of CHF selection | * Ericsson | * revised |  | * S5-186388 |
| * S5-186206 | * Rel-15 CR 32.255 Clarification of Charging Identifier handling | * Ericsson | * revised |  | * S5-186385 |
| * S5-186207 | * LS to RAN2 on Data Volume measurements | * Ericsson LM | * revised |  | * S5-186392 |
| * S5-186208 | * Rel-15 CR 32.291 Remove of underscore in the API name | * Ericsson | * revised |  | * S5-186386 |
| * S5-186209 | * Rel-15 CR 32.274 Addition of Converged Charging flows | * Ericsson | * revised |  | * S5-186295 |
| * S5-186210 | * Rel-15 CR 32.298 Addition of SMS Charging to CHF CDR | * Ericsson | * revised |  | * S5-186300 |
| * S5-186211 | * Include information about referencers to CM, PM and FM IRPs | * Ericsson Japan K.K. | * revised |  | * S5-186405 |
| * S5-186212 | * Discussion paper around using MnS | * Ericsson Japan K.K. | * endorsed |  |  |
| * S5-186213 | * Removal of not correct reference in Annex A | * Ericsson Japan K.K. | * not pursued |  | * - |
| * S5-186214 | * Add missing attribute definition and condition | * Ericsson Japan K.K. | * revised |  | * S5-186407 |
| * S5-186215 | * Add missing detail definition for attribute | * Ericsson Japan K.K. | * revised |  | * S5-186408 |
| * S5-186216 | * Rel-15 CR 28.531 Remove release specific information from clause 7.9.1 | * Ericsson LM | * revised |  | * S5-186430 |
| * S5-186217 | * Adding missing attribute, and correction of reference | * Ericsson Japan K.K. | * revised |  | * S5-186446 |
| * S5-186218 | * Rel-15 CR 28.532 Add notifyNewSecurityAlarm to notification type table | * Ericsson LM,Deutsche Telekom | * agreed |  |  |
| * S5-186219 | * Add missing attribute in 5.4.1 | * Ericsson Japan K.K. | * not pursued |  |  |
| * S5-186220 | * Rel-15 CR 28.541 Remove NSSF from the abbreviation | * Ericsson LM | * agreed |  |  |
| * S5-186221 | * Reference for notification description is missing | * Ericsson Japan K.K. | * merged |  | * S5-186326 |
| * S5-186222 | * Rel-15 CR 32.156 Add producer - consumer interaction to Annex B | * Ericsson LM | * revised |  | * S5-186399 |
| * S5-186223 | * Rel-15 CR 32.156 Add producer - consumer interaction to Annex F | * Ericsson LM | * revised |  | * S5-186400 |
| * S5-186224 | * pCR 28.805 Add table of content | * Ericsson LM | * approved |  |  |
| * S5-186225 | * pCR 28.805 Add introduction and scope | * Ericsson LM | * revised |  | * S5-186457 |
| * S5-186226 | * CR Rel-16 28.622 Add IOC for supporting management of non-collocated LWA | * Intel Corporation (UK) Ltd | * not pursued |  |  |
| * S5-186227 | * CR Rel-16 28.623 Add IOC for supporting management of non-collocated LWA | * Intel Corporation (UK) Ltd | * not pursued |  |  |
| * S5-186228 | * pCR 28.861 add table of content | * Intel Mobile France | * approved |  |  |
| * S5-186229 | * CR 32.158 Extend resource representation format descriptions | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186409 |
| * S5-186230 | * pCR 28.861 add scope | * Intel Mobile France | * revised |  | * S5-186464 |
| * S5-186231 | * CR Rel-16 28.658 Add IOCs for managing non-collocated LWA | * Intel Corporation (UK) Ltd | * revised |  | * S5-186393 |
| * S5-186232 | * pCR 28.861 add SON overview | * Intel Mobile France | * withdrawn |  |  |
| * S5-186233 | * pCR 28.861 add SON frameworks | * Intel Mobile France | * withdrawn |  |  |
| * S5-186234 | * CR Rel-16 28.659 Add IOCs for managing non-collocated LWA | * Intel Corporation (UK) Ltd | * revised |  | * S5-186394 |
| * S5-186235 | * pCR 28.861 add use case for RAN condition data | * Intel Mobile France | * withdrawn |  |  |
| * S5-186236 | * CR Rel-16 32.425 Add measurements related to user data transmission on Xw interface for non-collocated LWA | * Intel Corporation (UK) Ltd | * not pursued |  | * - |
| * S5-186237 | * pCR 28.803 edge computing deployment scenarios | * Intel Mobile France | * revised |  | * S5-186447 |
| * S5-186238 | * CR Rel-16 32.425 Add measurements related to XwAP procedures for non-collocated LWA | * Intel Corporation (UK) Ltd | * revised |  | * S5-186396 |
| * S5-186239 | * pCR 28.803 use cases for p2p management deployment scenarios | * Intel Mobile France | * revised |  | * S5-186448 |
| * S5-186240 | * pCR 28.803 add use case for E2E OSS deployment scenario | * Intel Mobile France | * revised |  | * S5-186449 |
| * S5-186241 | * CR 28.532 Correct stage 3 description of the Provisioning Management Service | * Nokia, Nokia Shanghai Bell | * not pursued |  | * - |
| * S5-186242 | * CR Rel-16 28.552 Add PDU Session Resource setup related measurements for gNB | * Intel Corporation (UK) Ltd | * revised |  | * S5-186372 |
| * S5-186243 | * CR Rel-16 28.552 Add inter-gNB handover related measurements | * Intel Corporation (UK) Ltd | * revised |  | * S5-186373 |
| * S5-186244 | * Discussion paper on collection of e2e latency measurements | * Intel Corporation (UK) Ltd | * noted |  |  |
| * S5-186245 | * pCR 28.550 Update the UCs and requirements related to performance data streaming | * Intel, BT | * revised |  | * S5-186429 |
| * S5-186246 | * pCR 28.550 Add solution for performance data streaming | * Intel, BT | * merged |  | * S5-186427 |
| * S5-186247 | * R15 CR 32.240 Introduction of SMSF in charging architecture for 5GS | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186293 |
| * S5-186248 | * R15 CR 32.274 Introduction of SMSF as a new Node for SMS charging | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-18294 |
| * S5-186249 | * R15 CR 32.274 Introduction of SMS charging scenario for SMSF | * Nokia, Nokia Shanghai Bell | * merged |  | * S5-186295 |
| * S5-186250 | * R15 CR 32.274 Introduction of CHF CDR generation for SMSF | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186296 |
| * S5-186251 | * R15 CR 32.274 Introduction of Message content charging SMSF | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186297 |
| * S5-186252 | * R15 CR 32.274 Introduction of CHF CDR description for SMSF | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186298 |
| * S5-186253 | * R15 CR 32.274 Introduction of SMS information converged charging | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186299 |
| * S5-186254 | * R15 CR 32.255 Complete description for CHF selection in roaming | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186389 |
| * S5-186255 | * R15 CR 32.291 Correction of data type for subscriber identifier | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186390 |
| * S5-186256 | * Rel-15 CR 32.156 Update example of the generalization relationship | * Ericsson LM | * revised |  | * S5-186401 |
| * S5-186257 | * pCR 28.900 Updated references | * Ericsson Japan K.K. | * withdrawn |  |  |
| * S5-186258 | * new WID on NRM enhancements | * Nokia Shanghai Bell | * revised |  | * S5-186324 |
| * S5-186259 | * pCR 28.900 3GPP vs ONAP Interface technologies | * Ericsson Japan K.K. | * revised |  | * S5-186440 |
| * S5-186260 | * pCR 28.900 Updated references | * Ericsson Japan K.K. | * revised |  | * S5-186441 |
| * S5-186261 | * pCR 28.900 Updated architecture overview | * Ericsson Japan K.K. | * revised |  | * S5-186442 |
| * S5-186262 | * pCR 28.900 ONAP DCAE VES Collector updates | * Ericsson Japan K.K. | * revised |  | * S5-186443 |
| * S5-186263 | * pCR 28.900 Handling of alarm / event notifications | * Ericsson Japan K.K. | * revised |  | * S5-186444 |
| * S5-186264 | * Discussion paper around restructuring Comparisons | * Ericsson Japan K.K. | * noted |  |  |
| * S5-186265 | * pCR 28.861 add SON overview | * Intel Mobile France, Verizon | * noted |  | * - |
| * S5-186266 | * pCR 28.861 add SON frameworks | * Intel Mobile France, Verizon | * noted |  | * - |
| * S5-186267 | * pCR 28.861 add use case for RAN condition data | * Intel Mobile France, Verizon | * noted |  |  |
| * S5-186268 | * Update NR IS definition to align with TS 37.340 for MR-DC | * Nokia, Nokia Shanghai Bell, Ericsson Inc. | * revised | * S5-186071 | * S5-186411 |
| * S5-186269 | * Rel-16 draft TS Skeleton 32.160 | * Ericsson LM | * approved |  |  |
| * S5-186270 | * pCR Rel-16 28.404-040 Include MTSI measurements | * Ericsson | * approved |  |  |
| * S5-186271 | * pCR Rel-16 28.405-020 Include MTSI measurements | * Ericsson | * approved |  |  |
| * S5-186272 | * pCR Rel-16 28.405-020 Add X2 handover | * Ericsson | * withdrawn |  |  |
| * S5-186273 | * pCR Rel-16 28.405-020 Clarify forced deactivation | * Ericsson | * withdrawn |  |  |
| * S5-186274 | * pCR Rel-16 28.405-020 Add data definitions | * Ericsson | * withdrawn |  |  |
| * S5-186275 | * pCR 32.160 Add scope | * Ericsson LM | * approved |  |  |
| * S5-186276 | * Reply LS from SA5 to SA4 on Attributes for QoE measurement collection | * Ericsson | * withdrawn |  |  |
| * S5-186277 | * Rel-15 CR 28.541 Replace symbol for network slice state management | * Ericsson Limited,Deutsche Telekom | * agreed |  |  |
| * S5-186278 | * Rel-15 CR 28.533 Add missing TS number and reference | * Ericsson Limited | * revised |  | * S5-186350 |
| * S5-186279 | * SA WG5 5G TS overview (presented to SA#81) | * Ericsson LM | * noted |  |  |
| * S5-186280 | * LS to 3GPP SA1 on business roles related to 5G networks and network slicing management | * Orange | * revised |  | * S5-186321 |
| * S5-186281 | * R15 CR 32.255 Correction on flows for alignment with TS 23.502 | * Nokia, Nokia Shanghai Bell | * revised |  | * S5-186418 |
| * S5-186282 | * pCR 32.160 Add table of content | * Ericsson Limited,Deutsche Telekom | * revised |  | * S5-186403 |
| * S5-186283 | * Rel-15 CR 28530 Align title with TS database | * Ericsson LM | * agreed |  |  |
| * S5-186284 | * Rel-15 CR 28554 Align title with TS database | * Ericsson LM | * agreed |  |  |
| * S5-186285 | * Time Plan for OAM&P | * WG Vice Chair (Huawei) | * revised | * S5-186017 | * S5-186319 |
| * S5-186286 | * LS from BBF cc SA5 on Response to 3GPP SA2 liaison S2-189038 on ‘general status of work’ | * BBF | * replied to | * - | * - |
| * S5-186287 | * CH Agenda and Time Plan | * CH SWG Chair | * approved | * S5-186039 | * - |
| * S5-186288 | * Reply to: Resubmitted Reply LS from CT3 to SA5 on Addition of AVP code definitions | * Huawei | * approved | * - | * - |
| * S5-186289 | * Reply to: LS from SA1 to SA5 on Multi-identity and multi-device requirements | * Ericsson | * approved | * - | * - |
| * S5-186290 | * New SID on Charging Aspects of Network Slicing in 5G Phase 2 | * Huawei Technologies | * agreed | * S5-186111 | * - |
| * S5-186291 | * New WID on 5G Online and Offline Charging Services | * Huawei Technologies | * agreed | * S5-186112 | * - |
| * S5-186292 | * New WID on Charging Enhancement of 5GC interworking with EPC | * Huawei Technologies | * agreed | * S5-186113 | * - |
| * S5-186293 | * R15 CR 32.240 Introduction of SMSF in charging architecture for 5GS | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186247 | * - |
| * S5-186294 | * R15 CR 32.274 Introduction of SMSF as a new Node for SMS charging | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186248 | * - |
| * S5-186295 | * Rel-15 CR 32.274 Addition of Converged Charging flows | * Ericsson, Nokia, Nokia Shanghai Bell | * agreed | * S5-186209 | * - |
| * S5-186296 | * R15 CR 32.274 Introduction of CHF CDR generation for SMSF | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186250 | * - |
| * S5-186297 | * R15 CR 32.274 Introduction of Message content charging SMSF | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186251 | * - |
| * S5-186298 | * R15 CR 32.274 Introduction of CHF CDR description for SMSF | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186252 | * - |
| * S5-186299 | * R15 CR 32.274 Introduction of SMS information converged charging | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186253 | * - |
| * S5-186300 | * Rel-15 CR 32.298 Addition of SMS Charging to CHF CDR | * Ericsson | * agreed | * S5-186210 | * - |
| * S5-186301 | * R12 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186091 | * - |
| * S5-186302 | * R13 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186092 | * - |
| * S5-186303 | * R14 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186093 | * - |
| * S5-186304 | * R15 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186094 | * - |
| * S5-186305 | * R15 CR 32.251 Correction in OCS subscription to multiple PRA(s) | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186084 | * - |
| * S5-186306 | * R15 CR 32.299 Correction on reporting UE-dedicated PRA(s) to OCS | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186085 | * - |
| * S5-186307 | * R15 CR 32.251 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186086 | * - |
| * S5-186308 | * R15 CR 32.299 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186087 | * - |
| * S5-186309 | * LS to CT3 on PRA extension for offline charging | * Charging SWG | * approved | * - | * - |
| * S5-186310 | * R15 CR 32.260 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186095 | * - |
| * S5-186311 | * R15 CR 32.254 Correction on TTRI and TLTRI | * Huawei Technologies | * agreed | * S5-186114 | * - |
| * S5-186312 | * R15 CR 32.298 Correction on TTRI and TLTRI | * Huawei Technologies | * agreed | * S5-186115 | * - |
| * S5-186313 | * R15 CR 32.299 Correction on TTRI and TLTRI | * Huawei Technologies | * agreed | * S5-186116 | * - |
| * S5-186314 | * R15 CR 32.255 Correction on the User Information | * Huawei | * agreed | * S5-186123 | * - |
| * S5-186315 | * R15 CR 32.291 Correction on the Reference and Resource name | * Huawei | * agreed | * S5-186124 | * - |
| * S5-186316 | * R15 CR 32.291 Editorial Correction | * Huawei | * agreed | * S5-186125 | * - |
| * S5-186317 | * Reply to: Resubmitted Lsout from ETSI NFV (forwarded to SA5) to various organisations on usage of NFV Specifications | * Nokia | * approved | * - | * - |
| * S5-186318 | * Reply to: LS from ETSI NFV to SA5 on Clarifications on support of priority of NFV NS in context of Network Slicing | * Huawei | * approved | * - | * - |
| * S5-186319 | * Time Plan for OAM&P | * WG Vice Chair (Huawei) | * noted | * S5-186285 | * - |
| * S5-186320 | * Reply to: LS from ITU-T to SA5 on LS on consent of draft Recommendation Y.3103 (formerly Y.IMT2020-BM) | * ORANGE | * approved | * - | * - |
| * S5-186321 | * LS to 3GPP SA1 on business roles related to 5G networks and network slicing management | * Orange | * approved | * S5-186280 | * - |
| * S5-186322 | * Reply to: LS from BBF cc SA5 on Response to 3GPP SA2 liaison S2-189038 on ‘general status of work’ | * Ericsson | * revised | * - | * S5-186484 |
| * S5-186323 | * New WID on management service discovery in 5G networks | * HUAWEI TECH. GmbH | * agreed | * S5-186157 | * - |
| * S5-186324 | * New WID on NRM enhancements | * Nokia Shanghai Bell | * revised | * S5-186258 | * S5-186485 |
| * S5-186325 | * Update Figure 4.2.1-3 Transport view of E-UTRAN and ng-eNB NRM | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186069 | * - |
| * S5-186326 | * Fix issues raised by EditHelp | * Nokia, Nokia Shanghai Bell,Ericsson | * agreed | * S5-186070 | * - |
| * S5-186327 | * Update NRM Stage 2 defintion to align with TS 23.501 for 5G architecture | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186072 | * - |
| * S5-186328 | * Update Stage 3 XML definition of NR to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186074 | * - |
| * S5-186329 | * Update Stage 3 JSON definition of NR to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186075 | * - |
| * S5-186330 | * Update Stage 3 YANG definition of NR to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186076 | * - |
| * S5-186331 | * Update Stage 3 XML definition of 5GC to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186077 | * - |
| * S5-186332 | * Update Stage 3 JSON definition of 5GC to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186078 | * - |
| * S5-186333 | * Update stage 3 XML definition of NS to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186080 | * - |
| * S5-186334 | * Update Stage 3 JSON definition of NS to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186081 | * - |
| * S5-186335 | * Update stage 3 YANG definition of NS to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186082 | * - |
| * S5-186336 | * TD NRM Stage 3 definition rules | * Nokia, Nokia Shanghai Bell | * endorsed | * S5-186083 | * - |
| * S5-186337 | * Rel-15 CR TS 28.552 Remove the redundant measurement of end-to-end latency | * Huawei | * agreed | * S5-186098 | * - |
| * S5-186338 | * Rel-16 CR 28.533 Add concept of service registration and discovery | * Huawei | * agreed | * S5-186100 | * - |
| * S5-186339 | * Way forward for MnS discovery | * Huawei | * revised | * - | * S5-186476 |
| * S5-186340 | * Rel-15 CR 28.526 Add a procedure to associate an VNF instance with a VNF profile | * Intel Mobile France | * agreed | * S5-186106 | * - |
| * S5-186341 | * Rel-15 CR 28.526 Add a procedure to associate an PNF with a PNF profile | * Intel Mobile France | * agreed | * S5-186107 | * - |
| * S5-186342 | * Rel-15 CR TS 28.532 Correction of references | * Huawei | * agreed | * S5-186130 | * - |
| * S5-186343 | * Rel-15 CR TS 28.532 Alignment with 3GPP drafting rules | * Huawei | * agreed | * S5-186131 | * - |
| * S5-186344 | * Rel-15 CR TS 28.532 Correction of the numbering and title of figures and tables | * Huawei | * agreed | * S5-186132 | * - |
| * S5-186345 | * Rel-15 CR TS 28.531 Complete the reference information and rewording the note | * Huawei | * agreed | * S5-186133 | * - |
| * S5-186346 | * Rel-15 CR TS 28.531 Update operation names in the procedures of NF provisioning | * Huawei | * agreed | * S5-186136 | * - |
| * S5-186347 | * Rel-15 CR TS 28.541 Correct the term sNSSAIList and nRTAC | * Huawei | * agreed | * S5-186137 | * - |
| * S5-186348 | * Rel-15 CR TS 28.541 Update the inheritance hierarchy figure for NR NRM to include BWP IOC and NRSectorCarrier IOC | * Huawei | * agreed | * S5-186138 | * - |
| * S5-186349 | * Rel-15 CR TS 28.541 Change the term nCGI to nCI | * Huawei, Ericsson | * agreed | * S5-186139 | * - |
| * S5-186350 | * Rel-15 CR 28.533 Add missing TS number and reference | * Huawei, Ericsson | * agreed | * S5-186278 | * - |
| * S5-186351 | * Rel-15 CR TS 28.532 Remove unnecessary Editor's Note and figure | * Huawei | * agreed | * S5-186141 | * - |
| * S5-186352 | * CR CUPS NRM IOC clean up | * HUAWEI TECH. GmbH | * agreed | * S5-186150 | * - |
| * S5-186353 | * CR CUPS measurement clean up | * HUAWEI TECH. GmbH | * agreed | * S5-186151 | * - |
| * S5-186354 | * CR CUPS XML schema update | * HUAWEI TECH. GmbH | * agreed | * S5-186152 | * - |
| * S5-186355 | * CR CUPS CORBA schema update | * HUAWEI TECH. GmbH | * agreed | * S5-186153 | * - |
| * S5-186356 | * R15 CR TS 28.545 Correction for Requirements of Fault Supervision Service | * China Mobile Com. Corporation | * agreed | * S5-186156 | * - |
| * S5-186357 | * R15 CR TS 28.532 Update resource URI of alarmCount | * China Mobile Com. Corporation, ZTE | * agreed | * S5-186160 | * - |
| * S5-186358 | * R15 CR TS 28.532 Change alarmIRP to FSMnSProducer | * ZTE, China Mobile | * agreed | * S5-186164 | * - |
| * S5-186359 | * R15 CR TS 28.532 change notificationIRP to notificationMF | * ZTE, China Mobile | * agreed | * S5-186165 | * - |
| * S5-186360 | * CR Rel-15 28662 on frequency band | * Ericsson Inc. | * agreed | * S5-186187 | * - |
| * S5-186361 | * CR Rel-15 28663 on frequency band | * Ericsson Inc. | * agreed | * S5-186188 | * - |
| * S5-186362 | * CR Rel-15 28541 Correct properties of cell state | * Ericsson Inc. | * agreed | * S5-186190 | * - |
| * S5-186363 | * CR Rel-15 28541 Add NR attributes | * Ericsson Inc. | * approved | * - | * - |
| * S5-186364 | * Sequence proposal for study on management aspects of communication services | * Ericsson | * noted | * - | * - |
| * S5-186365 | * Reply to: Resubmitted LS from GSMA to SA5 on Publication of new paper on network slicing and future plans | * Ericsson | * approved | * - | * - |
| * S5-186366 | * CR Rel-15 28662 Modify SectorEquipmentFunction properties to support NR | * Ericsson Inc. | * agreed | * S5-186192 | * - |
| * S5-186367 | * CR Rel-15 28663 Modify SectorEquipmentFunction properties to support NR | * Ericsson Inc. | * agreed | * S5-186193 | * - |
| * S5-186368 | * TD on NR cell relation | * Ericsson Inc. | * withdrawn | * - | * - |
| * S5-186369 | * R16 CR 28.552 Add CQI measurement | * ZTE Corporation | * withdrawn | * - | * - |
| * S5-186370 | * Discussion about how SA5 SA2 RAN3 work together to guarantee network slice SLA | * China Mobile (Hangzhou) Inf. | * revised | * S5-186174 | * S5-186486 |
| * S5-186371 | * Reply LS on Slice related Data Analytics | * China Mobile (Hangzhou) Inf. | * revised | * S5-186175 | * S5-186487 |
| * S5-186372 | * CR Rel-16 28.552 Add PDU Session Resource setup related measurements for gNB | * Intel Corporation (UK) Ltd | * revised | * S5-186242 | * S5-186478 |
| * S5-186373 | * CR Rel-16 28.552 Add inter-gNB handover related measurements | * Intel Corporation (UK) Ltd | * revised | * S5-186243 | * S5-186473 |
| * S5-186374 | * pCR TS 28.310 – Concepts and overview | * Orange | * approved | * S5-186042 | * - |
| * S5-186375 | * Reply to: Liaison to 3GPP SA5 on Energy Efficiency for 5G | * ORANGE | * approved | * - | * - |
| * S5-186376 | * R15 CR 32.291 Data Type Applicability Correction | * Huawei | * agreed | * S5-186126 | * - |
| * S5-186377 | * R15 CR 32.291 Serving Node ID Correction | * Huawei | * agreed | * S5-186127 | * - |
| * S5-186378 | * R15 CR 32.290 Failure Handling Mechnism Description Clarification | * Huawei | * not pursued | * S5-186128 | * - |
| * S5-186379 | * R15 CR 32.291 Failure Handling Mechnism Clarification | * Huawei | * agreed | * S5-186129 | * - |
| * S5-186380 | * Rel-15 CR 32.291 Correctons to CommonData reference | * Ericsson | * agreed | * S5-186198 | * - |
| * S5-186381 | * Rel-15 CR 32.291 Faulty references to TS 29.512, TS 29.514 and data types | * Ericsson | * agreed | * S5-186199 | * - |
| * S5-186382 | * Rel-15 CR 32.290 Clarifying requested units handling | * Ericsson | * agreed | * S5-186200 | * - |
| * S5-186383 | * Rel-15 CR 32.291 Clarifying requested units handling | * Ericsson | * agreed | * S5-186201 | * - |
| * S5-186384 | * Rel-15 CR 32.298 Correction of NetworkFunctionID in CHF CDR | * Ericsson | * agreed | * S5-186202 | * - |
| * S5-186385 | * Rel-15 CR 32.255 Clarification of Charging Identifier handling | * Ericsson | * agreed | * S5-186206 | * - |
| * S5-186386 | * Rel-15 CR 32.291 Remove of underscore in the API name | * Ericsson | * agreed | * S5-186208 | * - |
| * S5-186387 | * Rel-15 CR 32.255 Charging Characteristics in roaming | * Ericsson | * agreed | * S5-186203 | * - |
| * S5-186388 | * Rel-15 CR 32.255 Clarification of CHF selection | * Ericsson | * agreed | * S5-186205 | * - |
| * S5-186389 | * R15 CR 32.255 Correction of errors from Edithelp | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186254 | * - |
| * S5-186390 | * R15 CR 32.291 Correction of data type for subscriber identifier | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186255 | * - |
| * S5-186391 | * Discussion paper around Data Volume measurement | * Ericsson LM | * endorsed | * S5-186204 | * - |
| * S5-186392 | * LS to RAN2 on Data Volume measurements | * Ericsson LM | * approved | * S5-186207 | * - |
| * S5-186393 | * CR Rel-16 28.658 Add IOCs for managing non-collocated LWA | * Intel Corporation (UK) Ltd | * agreed | * S5-186231 | * - |
| * S5-186394 | * CR Rel-16 28.659 Add IOCs for managing non-collocated LWA | * Intel Corporation (UK) Ltd | * agreed | * S5-186234 | * - |
| * S5-186395 | * CR Rel-16 32.425 Add measurements related to user data transmission on Xw interface for non-collocated LWA | * Intel Corporation (UK) Ltd | * withdrawn | * - | * - |
| * S5-186396 | * CR Rel-16 32.425 Add measurements related to XwAP procedures for non-collocated LWA | * Intel Corporation (UK) Ltd | * not pursued | * S5-186238 | * - |
| * S5-186397 | * Skeleton for Policy Management Interface specification | * China Mobile (Hangzhou) Inf. | * revised | * S5-186179 | * S5-186468 |
| * S5-186398 | * pCR 28.311 Add Scope | * China Mobile, Ericsson, ZTE | * approved | * S5-186178 | * - |
| * S5-186399 | * Rel-15 CR 32.156 Add producer - consumer interaction to Annex B | * Ericsson LM | * agreed | * S5-186222 | * - |
| * S5-186400 | * Rel-15 CR 32.156 Add producer - consumer interaction to Annex F | * Ericsson LM | * agreed | * S5-186223 | * - |
| * S5-186401 | * Rel-15 CR 32.156 Update example of the generalization relationship | * Ericsson LM | * agreed | * S5-186256 | * - |
| * S5-186402 | * Draft TS 32.160 | * Ericsson | * approved | * - | * - |
| * S5-186403 | * pCR 32.160 Add table of content | * Ericsson Limited,Deutsche Telekom | * approved | * S5-186282 | * - |
| * S5-186404 | * TD Rel-15 TS 28622 Generic NRM IS on Measurement Control | * Ericsson Inc. | * endorsed | * S5-186197 | * - |
| * S5-186405 | * Include information about referencers to CM, PM and FM IRPs | * Ericsson Japan K.K. | * agreed | * S5-186211 | * - |
| * S5-186406 | * Removal of not correct reference in Annex A | * Ericsson Japan K.K. | * withdrawn | * - | * - |
| * S5-186407 | * Add missing attribute definition and condition | * Ericsson Japan K.K. | * agreed | * S5-186214 | * - |
| * S5-186408 | * Add missing detail definition for attribute | * Ericsson Japan K.K. | * agreed | * S5-186215 | * - |
| * S5-186409 | * CR 32.158 Extend resource representation format descriptions | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186229 | * - |
| * S5-186410 | * CR 28.532 Correct stage 3 description of the Provisioning Management Service | * Nokia, Nokia Shanghai Bell | * withdrawn | * - | * - |
| * S5-186411 | * Update NR IS definition to align with TS 37.340 for MR-DC | * Nokia, Nokia Shanghai Bell, Ericsson Inc. | * agreed | * S5-186268 | * - |
| * S5-186412 | * OAM&P SWG action list | * WG Vice Chair (Huawei) | * revised | * S5-186019 | * S5-186475 |
| * S5-186413 | * Priority of NFV NS in context of Network Slicing | * kia Shanghai Bell, Huawei | * endorsed | * - | * - |
| * S5-186414 | * pCR 28.812 General concept for Intent driven management | * Huawei | * approved | * S5-186101 | * - |
| * S5-186415 | * pCR 28.812 Add scope for intent driven management services for mobile network | * Huawei | * approved | * S5-186142 | * - |
| * S5-186416 | * pCR 28.812 Key issues for IDM study | * Huawei | * approved | * S5-186103 | * - |
| * S5-186417 | * pCR 28.812 Add intent driven network provisioning scenario | * Huawei | * approved | * S5-186102 | * - |
| * S5-186418 | * R15 CR 32.255 Correction on flows for alignment with TS 23.502 | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186281 | * - |
| * S5-186419 | * R15 CR 32.299 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186096 | * - |
| * S5-186420 | * R15 CR 32.298 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186097 | * - |
| * S5-186421 | * R15 CR 32.298 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * agreed | * S5-186088 | * - |
| * S5-186422 | * Draft TR 28.804 | * Huawei | * approved | * - | * - |
| * S5-186423 | * pCR 28.812 Add intent driven cell re-home scenario | * Huawei | * approved | * S5-186144 | * - |
| * S5-186424 | * pCR 28.812 Add intent driven predictive load balance scenario | * Huawei | * approved | * S5-186145 | * - |
| * S5-186425 | * pCR 28.812 Add intent driven cell update scenario | * Huawei | * approved | * S5-186146 | * - |
| * S5-186426 | * pCR TS 28.550 Update concept for analytical KPI | * Huawei | * approved | * S5-186147 | * - |
| * S5-186427 | * pCR Rel-15 28550-200 stream requirement and stage 2 | * Ericsson Inc.,Intel | * approved | * S5-186194 | * - |
| * S5-186428 | * TD Rel-15 28550-200 on file based solution | * Ericsson Inc.,Deutsche Telekom, Nokia, Huawei | * revised | * S5-186196 | * S5-186470 |
| * S5-186429 | * pCR 28.550 Update the UCs and requirements related to performance data streaming | * Intel, BT | * approved | * S5-186245 | * - |
| * S5-186430 | * Rel-15 CR 28.531 Remove release specific information from clause 7.9.1 | * Ericsson LM | * agreed | * S5-186216 | * - |
| * S5-186431 | * Draft TR 32.972 | * ORANGE | * approved | * - | * - |
| * S5-186432 | * pCR TR 32.972 – Potential solutions | * Orange | * approved | * S5-186064 | * - |
| * S5-186433 | * DP on integrating ONAP FM-PM into 3GPP 5G management framework – Subscribe/Notify | * AT&T, Deutsche Telekom, Orange | * endorsed | * S5-186184 | * - |
| * S5-186434 | * pCR TR 28.900 No subscribe in ONAP | * AT&T, Orange | * approved | * S5-186108 | * - |
| * S5-186435 | * DP on integrating ONAP FM-PM into 3GPP 5G management framework – PM job control | * AT&T, Deutsche Telekom, Orange,Nokia, Ericsson | * endorsed | * S5-186185 | * - |
| * S5-186436 | * pCR TR 28.900 No PM job control in ONAP | * AT&T, Orange | * revised | * S5-186109 | * S5-186479 |
| * S5-186437 | * DP on integrating ONAP FM-PM into 3GPP 5G management framework – PM FM reporting methods | * AT&T, Deutsche Telekom, Orange | * endorsed | * S5-186186 | * - |
| * S5-186438 | * pCR TR 28.900 FM-PM Data Reporting Methods | * AT&T, Orange | * approved | * S5-186110 | * - |
| * S5-186439 | * Draft TR 28.900 | * ORANGE | * approved | * - | * - |
| * S5-186440 | * pCR 28.900 3GPP vs ONAP Interface technologies | * Ericsson Japan K.K. | * approved | * S5-186259 | * - |
| * S5-186441 | * pCR 28.900 Updated references | * Ericsson Japan K.K. | * approved | * S5-186260 | * - |
| * S5-186442 | * pCR 28.900 Updated architecture overview | * Ericsson Japan K.K. | * approved | * S5-186261 | * - |
| * S5-186443 | * pCR 28.900 ONAP DCAE VES Collector updates | * Ericsson Japan K.K. | * approved | * S5-186262 | * - |
| * S5-186444 | * pCR 28.900 Handling of alarm / event notifications | * Ericsson Japan K.K. | * approved | * S5-186263 | * - |
| * S5-186445 | * pCR 28.900 skeleton for Integration of ONAP with 3GPP management services for configuration management purposes | * Nanjing Ericsson Panda Com Ltd | * approved | * S5-186172 | * - |
| * S5-186446 | * Adding missing attribute, and correction of reference | * Ericsson Japan K.K. | * agreed | * S5-186217 | * - |
| * S5-186447 | * pCR 28.803 edge computing deployment scenarios | * Intel Mobile France | * noted | * S5-186237 | * - |
| * S5-186448 | * pCR 28.803 use cases for p2p management deployment scenarios | * Intel Mobile France | * noted | * S5-186239 | * - |
| * S5-186449 | * pCR 28.803 add use case for E2E OSS deployment scenario | * Intel Mobile France | * noted | * S5-186240 | * - |
| * S5-186450 | * pCR 28.804 scope of tenancy TR | * HUAWEI TECH. GmbH | * revised | * S5-186155 | * S5-186480 |
| * S5-186451 | * pCR Tenancy definition in 3GPP management system | * HUAWEI TECH. GmbH | * revised | * S5-186158 | * S5-186481 |
| * S5-186452 | * pCR 28.804 Add key issues for tenant management | * Huawei | * approved | * S5-186118 | * - |
| * S5-186453 | * pCR 28.804 Add tenant management concept | * Huawei | * withdrawn | * - | * - |
| * S5-186454 | * Draft TS 28.404 | * Ericsson | * approved | * - | * - |
| * S5-186455 | * Draft TS 28.405 | * Ericsson | * approved | * - | * - |
| * S5-186456 | * Draft TR 28.805 | * Ericsson | * approved | * - | * - |
| * S5-186457 | * pCR 28.805 Add introduction and scope | * Ericsson LM | * approved | * S5-186225 | * - |
| * S5-186458 | * pCR 28.805 Add key issues for communication services management | * Huawei | * approved | * S5-186122 | * - |
| * S5-186459 | * pCR 28.805 Add management support for SLA assurance | * Huawei | * revised | * S5-186104 | * S5-186482 |
| * S5-186460 | * pCR 28.805 Add concept of SLA management | * Huawei | * withdrawn | * - | * - |
| * S5-186461 | * pCR 28.805 Add types of communication services | * Huawei | * approved | * S5-186120 | * - |
| * S5-186462 | * pCR 28.805 Add management aspects of communication services | * Huawei | * approved | * S5-186121 | * - |
| * S5-186463 | * Draft TR 28.861 | * Intel | * approved | * - | * - |
| * S5-186464 | * pCR 28.861 add scope | * Intel Mobile France | * revised | * S5-186230 | * S5-186483 |
| * S5-186465 | * pCR 28.861 add SON overview | * Intel Mobile France, Verizon | * withdrawn | * - | * - |
| * S5-186466 | * Revised SID Study on 5G network and network slicing tenant management | * HUAWEI TECH. GmbH | * noted | * S5-186161 | * - |
| * S5-186467 | * pCR 28.861 add SON frameworks | * Intel Mobile France, Verizon | * withdrawn | * - | * - |
| * S5-186468 | * Skeleton for Policy Management Interface specification | * China Mobile (Hangzhou) Inf. | * approved | * S5-186397 | * - |
| * S5-186469 | * Draft TS 28.550 | * Intel | * approved | * - | * - |
| * S5-186470 | * TD Rel-15 28550-200 on file based solution | * Ericsson Inc.,Deutsche Telekom, Nokia, Huawei | * endorsed | * S5-186428 | * - |
| * S5-186471 | * Draft TR 28.812 | * Huawei | * approved | * - | * - |
| * S5-186472 | * Draft TS 28.311 | * China Mobile | * approved | * - | * - |
| * S5-186473 | * CR Rel-16 28.552 Add inter-gNB handover related measurements | * Intel Corporation (UK) Ltd | * agreed | * S5-186373 | * - |
| * S5-186474 | * Fix outdated reference | * Nokia | * agreed | * - | * - |
| * S5-186475 | * OAM&P SWG action list | * WG Vice Chair (ORANGE) | * noted | * S5-186412 | * - |
| * S5-186476 | * Way forward for MnS discovery | * Huawei | * endorsed | * S5-186339 | * - |
| * S5-186477 | * Draft TS 28.310 | * ORANGE | * approved | * - | * - |
| * S5-186478 | * CR Rel-16 28.552 Add PDU Session Resource setup related measurements for gNB | * Intel Corporation (UK) Ltd | * agreed | * S5-186372 | * - |
| * S5-186479 | * pCR TR 28.900 No PM job control in ONAP | * AT&T, Orange | * approved | * S5-186436 | * - |
| * S5-186480 | * pCR 28.804 scope of tenancy TR | * HUAWEI TECH. GmbH | * approved | * S5-186450 | * - |
| * S5-186481 | * pCR Tenancy definition in 3GPP management system | * HUAWEI TECH. GmbH | * revised | * S5-186451 | * S5-186488 |
| * S5-186482 | * pCR 28.805Add management support for Service SLA assurance | * Huawei, China Mobile, Nokia, NEC, Deutsche Telekom, Ericsson,Intel,ZTE | * revised | * S5-186459 | * S5-186490 |
| * S5-186483 | * pCR 28.861 add scope | * Intel Mobile France | * approved | * S5-186464 | * - |
| * S5-186484 | * Reply to: LS from BBF cc SA5 on Response to 3GPP SA2 liaison S2-189038 on ‘general status of work’ | * Ericsson | * approved | * S5-186322 | * - |
| * S5-186485 | * New WID on NRM enhancements | * Nokia Shanghai Bell | * agreed | * S5-186324 | * - |
| * S5-186486 | * Discussion about how SA5 SA2 RAN3 work together to guarantee network slice SLA | * China Mobile, Huawei, Nokia, NEC, Deutsche Telekom, Ericsson, Intel, ZTE | * endorsed | * S5-186370 | * - |
| * S5-186487 | * Reply LS on Slice related Data Analytics | * China Mobile (Hangzhou) Inf. | * revised | * S5-186371 | * S5-186491 |
| * S5-186488 | * pCR Tenancy definition in 3GPP management system | * HUAWEI TECH. GmbH | * approved | * S5-186481 | * - |
| * S5-186489 | * OAM Executive Report | * WG Vice Chair (ORANGE) | * noted | * S5-186018 | * - |
| * S5-186490 | * pCR 28.805Add management support for Service SLA assurance | * Huawei, China Mobile, Nokia, NEC, Deutsche Telekom, Ericsson,Intel,ZTE | * approved | * S5-186482 | * - |
| * S5-186491 | * Reply LS on Slice related Data Analytics | * China Mobile (Hangzhou) Inf. | * approved | * S5-186487 | * - |
| * S5-186492 | * SA5 Meeting Calendar | * WG Chairman | * noted | * S5-186012 | * - |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| * S5-186211 | * Include information about referencers to CM, PM and FM IRPs | * Ericsson Japan K.K. | * 28.305 | * 0001 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186405 | * Include information about referencers to CM, PM and FM IRPs | * Ericsson Japan K.K. | * 28.305 | * 0001 | * 1 | * Rel-15 | * F | * PEE\_CMON | * agreed |
| * S5-186213 | * Removal of not correct reference in Annex A | * Ericsson Japan K.K. | * 28.306 | * 0001 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-186406 | * Removal of not correct reference in Annex A | * Ericsson Japan K.K. | * 28.306 | * 0001 | * 1 | * Rel-15 | * F | * PEE\_CMON | * withdrawn |
| * S5-186106 | * Rel-15 CR 28.526 Add a procedure to associate an VNF instance with a VNF profile | * Intel Mobile France | * 28.526 | * 0014 | * - | * Rel-15 | * F | * NETSLICE-MNFV5G | * revised |
| * S5-186340 | * Rel-15 CR 28.526 Add a procedure to associate an VNF instance with a VNF profile | * Intel Mobile France | * 28.526 | * 0014 | * 1 | * Rel-15 | * F | * NETSLICE-MNFV5G | * agreed |
| * S5-186474 | * Fix outdated reference | * Nokia | * 28.528 | * 0003 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-186283 | * Rel-15 CR 28530 Align title with TS database | * Ericsson LM | * 28.530 | * 0001 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-186133 | * Rel-15 CR TS 28.531 Complete the reference information and rewording the note | * Huawei | * 28.531 | * 0001 | * - | * Rel-16 | * F | * NETSLICE-PRO\_NS | * revised |
| * S5-186345 | * Rel-15 CR TS 28.531 Complete the reference information and rewording the note | * Huawei | * 28.531 | * 0001 | * 1 | * Rel-16 | * F | * NETSLICE-PRO\_NS | * agreed |
| * S5-186134 | * Rel-15 CR TS 28.531 Update operation names in the procedures of NSI provisioning | * Huawei | * 28.531 | * 0002 | * - | * Rel-15 | * F | * NETSLICE-PRO\_NS | * agreed |
| * S5-186135 | * Rel-15 CR TS 28.531 Update operation names in the procedures of NSSI provisioning | * Huawei | * 28.531 | * 0003 | * - | * Rel-15 | * F | * NETSLICE-PRO\_NS | * agreed |
| * S5-186136 | * Rel-15 CR TS 28.531 Update operation names in the procedures of NF provisioning | * Huawei | * 28.531 | * 0004 | * - | * Rel-15 | * F | * NETSLICE-PRO\_NS | * revised |
| * S5-186346 | * Rel-15 CR TS 28.531 Update operation names in the procedures of NF provisioning | * Huawei | * 28.531 | * 0004 | * 1 | * Rel-15 | * F | * NETSLICE-PRO\_NS | * agreed |
| * S5-186216 | * Rel-15 CR 28.531 Remove release specific information from clause 7.9.1 | * Ericsson LM | * 28.531 | * 0005 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186430 | * Rel-15 CR 28.531 Remove release specific information from clause 7.9.1 | * Ericsson LM | * 28.531 | * 0005 | * 1 | * Rel-15 | * F | * NETSLICE-PRO\_NS | * agreed |
| * S5-186099 | * Rel-15 CR TS 28.532 Modification of reference | * Huawei | * 28.532 | * 0001 | * - | * Rel-15 | * F | * NETSLICE | * withdrawn |
| * S5-186130 | * Rel-15 CR TS 28.532 Correction of references | * Huawei | * 28.532 | * 0002 | * - | * Rel-15 | * F | * NETSLICE | * revised |
| * S5-186342 | * Rel-15 CR TS 28.532 Correction of references | * Huawei | * 28.532 | * 0002 | * 1 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-186131 | * Rel-15 CR TS 28.532 Correction of the usage of must | * Huawei | * 28.532 | * 0003 | * - | * Rel-15 | * F | * NETSLICE | * revised |
| * S5-186343 | * Rel-15 CR TS 28.532 Alignment with 3GPP drafting rules | * Huawei | * 28.532 | * 0003 | * 1 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-186132 | * Rel-15 CR TS 28.532 Correction of the numbering and title of figures and tables | * Huawei | * 28.532 | * 0004 | * - | * Rel-16 | * F | * NETSLICE | * revised |
| * S5-186344 | * Rel-15 CR TS 28.532 Correction of the numbering and title of figures and tables | * Huawei | * 28.532 | * 0004 | * 1 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-186141 | * Rel-15 CR TS 28.532 Remove unnecessary Editor's Note and figure | * Huawei | * 28.532 | * 0005 | * - | * Rel-15 | * F | * NETSLICE | * revised |
| * S5-186351 | * Rel-15 CR TS 28.532 Remove unnecessary Editor's Note and figure | * Huawei | * 28.532 | * 0005 | * 1 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-186160 | * R15 CR TS 28.532 Update resource URI of alarmCount | * China Mobile Com. Corporation, ZTE | * 28.532 | * 0006 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186357 | * R15 CR TS 28.532 Update resource URI of alarmCount | * China Mobile Com. Corporation, ZTE | * 28.532 | * 0006 | * 1 | * Rel-15 | * F | * NETSLICE-FS5G | * agreed |
| * S5-186162 | * R15 CR TS 28.532 Remove Operation setComment | * China Mobile Com. Corporation, ZTE | * 28.532 | * 0007 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-186163 | * R15 CR TS 28.532 Remove Notification notifyCorrelatedNotificationChanged | * China Mobile Com. Corporation, ZTE | * 28.532 | * 0008 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-186164 | * R15 CR TS 28.532 change alarmIRP to FaultSupervisionMF | * ZTE, China Mobile | * 28.532 | * 0009 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186358 | * R15 CR TS 28.532 Change alarmIRP to FSMnSProducer | * ZTE, China Mobile | * 28.532 | * 0009 | * 1 | * Rel-15 | * F | * NETSLICE-FS5G | * agreed |
| * S5-186165 | * R15 CR TS 28.532 change notificationIRP to notificationMF | * ZTE, China Mobile | * 28.532 | * 0010 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186359 | * R15 CR TS 28.532 change notificationIRP to notificationMF | * ZTE, China Mobile | * 28.532 | * 0010 | * 1 | * Rel-15 | * F | * NETSLICE-FS5G | * agreed |
| * S5-186166 | * R15 CR TS 28.532 Remove Notification notifyPotentialFaultyAlarmList | * China Mobile Com. Corporation, ZTE | * 28.532 | * 0011 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-186167 | * R15 CR TS 28.532 Correct the subsription resourece related errors | * ZTE, China Mobile | * 28.532 | * 0012 | * - | * Rel-15 | * F | * NETSLICE-FS5G | * agreed |
| * S5-186168 | * R15 CR TS 28.532 Remove Notification notifyComments | * China Mobile Com. Corporation, ZTE | * 28.532 | * 0013 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-186169 | * R15 CR TS 28.532 Remove Notification notifyChangedAlarmGeneral | * China Mobile Com. Corporation, ZTE | * 28.532 | * 0014 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-186170 | * R15 CR TS 28.532 Remove Notification notifyAlarmListRebuilt | * China Mobile Com. Corporation, ZTE | * 28.532 | * 0015 | * - | * Rel-15 | * F | * TEI15 | * withdrawn |
| * S5-186171 | * R15 CR TS 28.532 Remove Notification notifyAlarmListRebuilt | * China Mobile Com. Corporation, ZTE | * 28.532 | * 0016 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-186173 | * R15 CR TS 28.532 General correction of alarm notifications | * China Mobile Com. Corporation, ZTE | * 28.532 | * 0017 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-186218 | * Rel-15 CR 28.532 Add notifyNewSecurityAlarm to notification type table | * Ericsson LM,Deutsche Telekom | * 28.532 | * 0018 | * - | * Rel-15 | * F | * NETSLICE-PRO\_NS | * agreed |
| * S5-186241 | * CR 28.532 Correct stage 3 description of the Provisioning Management Service | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0019 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-186410 | * CR 28.532 Correct stage 3 description of the Provisioning Management Service | * Nokia, Nokia Shanghai Bell | * 28.532 | * 0019 | * 1 | * Rel-15 | * F | * NETSLICE-PRO\_NS | * withdrawn |
| * S5-186100 | * Rel-16 CR 28.533 Add concept of service registration and discovery | * Huawei | * 28.533 | * 0001 | * - | * Rel-16 | * B | * NETSLICE | * revised |
| * S5-186338 | * Rel-16 CR 28.533 Add concept of service registration and discovery | * Huawei | * 28.533 | * 0001 | * 1 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-186140 | * Rel-15 CR TS 28.533 Update reference to TS 28.532 | * Huawei | * 28.533 | * 0002 | * - | * Rel-15 | * F | * NETSLICE | * merged |
| * S5-186278 | * Rel-15 CR 28.533 Add missing TS number and reference | * Ericsson Limited | * 28.533 | * 0003 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186350 | * Rel-15 CR 28.533 Add missing TS number and reference | * Huawei, Ericsson | * 28.533 | * 0003 | * 1 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-186070 | * Fix issues raised by EditHelp | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0001 | * - | * Rel-15 | * D | * NETSLICE-5GNRM | * revised |
| * S5-186326 | * Fix issues raised by EditHelp | * Nokia, Nokia Shanghai Bell,Ericsson | * 28.541 | * 0001 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186071 | * Update NR IS definition to align with TS 37.340 for MR-DC | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0002 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186268 | * Update NR IS definition to align with TS 37.340 for MR-DC | * Nokia, Nokia Shanghai Bell, Ericsson Inc. | * 28.541 | * 0002 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186411 | * Update NR IS definition to align with TS 37.340 for MR-DC | * Nokia, Nokia Shanghai Bell, Ericsson Inc. | * 28.541 | * 0002 | * 2 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186072 | * Update 5GC IS to align with TS 23.501 for 5GC architecture | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0003 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186327 | * Update NRM Stage 2 defintion to align with TS 23.501 for 5G architecture | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0003 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186073 | * Update 5GC IS for SBI definition | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0004 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-186074 | * Update xml SS of NR to align with IS | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0005 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186328 | * Update Stage 3 XML definition of NR to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0005 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186075 | * Update JSON SS of NR to align with IS | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0006 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186329 | * Update Stage 3 JSON definition of NR to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0006 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186076 | * Update YANG SS of NR to align with IS | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0007 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186330 | * Update Stage 3 YANG definition of NR to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0007 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186077 | * Update xml SS of 5GC to align with IS | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0008 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186331 | * Update Stage 3 XML definition of 5GC to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0008 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186078 | * Update JSON SS of 5GC to align with IS | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0009 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186332 | * Update Stage 3 JSON definition of 5GC to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0009 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186079 | * Update YANG SS of 5GC to align with IS | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0010 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * withdrawn |
| * S5-186080 | * Update xml SS of NS to align with IS | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0011 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186333 | * Update stage 3 XML definition of NS to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0011 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186081 | * Update JSON SS of NS to align with IS | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0012 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186334 | * Update Stage 3 JSON definition of NS to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0012 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186082 | * Update YANG SS of NS to align with IS | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0013 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186335 | * Update stage 3 YANG definition of NS to align with Stage 2 content | * Nokia, Nokia Shanghai Bell | * 28.541 | * 0013 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186137 | * Rel-15 CR TS 28.541 Correct the term sNSSAIList and nRTAC | * Huawei | * 28.541 | * 0014 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186347 | * Rel-15 CR TS 28.541 Correct the term sNSSAIList and nRTAC | * Huawei | * 28.541 | * 0014 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186138 | * Rel-15 CR TS 28.541 Update the inheritance hierarchy figure for NR NRM to include BWP IOC and NRSectorCarrier IOC | * Huawei | * 28.541 | * 0015 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186348 | * Rel-15 CR TS 28.541 Update the inheritance hierarchy figure for NR NRM to include BWP IOC and NRSectorCarrier IOC | * Huawei | * 28.541 | * 0015 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186139 | * Rel-15 CR TS 28.541 Change the term nCGI to nCI | * Huawei | * 28.541 | * 0016 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186349 | * Rel-15 CR TS 28.541 Change the term nCGI to nCI | * Huawei, Ericsson | * 28.541 | * 0016 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186183 | * R16 CR 28.541 Add BeamCoverage Class | * ZTE Corporation | * 28.541 | * 0017 | * - | * Rel-16 | * B | * TEI16 | * not pursued |
| * S5-186189 | * CR Rel-15 28541 Add NR attributes | * Ericsson Inc. | * 28.541 | * 0018 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * not pursued |
| * S5-186190 | * CR Rel-15 28541 Correct properties of cell state | * Ericsson Inc. | * 28.541 | * 0019 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186362 | * CR Rel-15 28541 Correct properties of cell state | * Ericsson Inc. | * 28.541 | * 0019 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186191 | * CR Rel-15 28541 Correct use of nCI and nGCI | * Ericsson Inc. | * 28.541 | * 0020 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * merged |
| * S5-186214 | * Add missing attribute definition and condition | * Ericsson Japan K.K. | * 28.541 | * 0021 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186407 | * Add missing attribute definition and condition | * Ericsson Japan K.K. | * 28.541 | * 0021 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186215 | * Add missing detail definition for attribute | * Ericsson Japan K.K. | * 28.541 | * 0022 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186408 | * Add missing detail definition for attribute | * Ericsson Japan K.K. | * 28.541 | * 0022 | * 1 | * Rel-15 | * F | * NETSLICE-ADPM5G | * agreed |
| * S5-186217 | * Adding missing attribute, and correction of reference | * Ericsson Japan K.K. | * 28.541 | * 0023 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186446 | * Adding missing attribute, and correction of reference | * Ericsson Japan K.K. | * 28.541 | * 0023 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186219 | * Add missing attribute in 5.4.1 | * Ericsson Japan K.K. | * 28.541 | * 0024 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-186220 | * Rel-15 CR 28.541 Remove NSSF from the abbreviation | * Ericsson LM | * 28.541 | * 0025 | * - | * Rel-15 | * F | * NETSLICE-PRO\_NS | * agreed |
| * S5-186221 | * Reference for notification description is missing | * Ericsson Japan K.K. | * 28.541 | * 0026 | * - | * Rel-15 | * F | * TEI15 | * merged |
| * S5-186277 | * Rel-15 CR 28.541 Replace symbol for network slice state management | * Ericsson Limited,Deutsche Telekom | * 28.541 | * 0027 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186156 | * R15 CR TS 28.545 Correction for Requirements of Fault Supervision Service | * China Mobile Com. Corporation | * 28.545 | * 0001 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186356 | * R15 CR TS 28.545 Correction for Requirements of Fault Supervision Service | * China Mobile Com. Corporation | * 28.545 | * 0001 | * 1 | * Rel-15 | * F | * NETSLICE-FS5G | * agreed |
| * S5-186159 | * R15 CR TS 28.545 Correction for Use Cases of Fault Supervision Service | * China Mobile Com. Corporation, ZTE | * 28.545 | * 0002 | * - | * Rel-15 | * F | * TEI15 | * not pursued |
| * S5-186068 | * R16 CR 28.552 Add CQI measurement | * ZTE Corporation | * 28.552 | * 0001 | * - | * Rel-16 | * F | * 5G\_SLICE\_ePA | * not pursued |
| * S5-186369 | * R16 CR 28.552 Add CQI measurement | * ZTE Corporation | * 28.552 | * 0001 | * 1 | * Rel-16 | * F | * 5G\_SLICE\_ePA | * withdrawn |
| * S5-186098 | * Rel-15 CR TS 28.552 Remove the redundant measurement of end-to-end latency | * Huawei | * 28.552 | * 0002 | * - | * Rel-15 | * F | * NETSLICE-ADPM5G | * revised |
| * S5-186337 | * Rel-15 CR TS 28.552 Remove the redundant measurement of end-to-end latency | * Huawei | * 28.552 | * 0002 | * 1 | * Rel-15 | * F | * NETSLICE-ADPM5G | * agreed |
| * S5-186181 | * R16 CR 28.552 Add MCS Distribution measurement | * ZTE Corporation | * 28.552 | * 0003 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * not pursued |
| * S5-186242 | * CR Rel-16 28.552 Add PDU Session Resource setup related measurements for gNB | * Intel Corporation (UK) Ltd | * 28.552 | * 0004 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-186372 | * CR Rel-16 28.552 Add PDU Session Resource setup related measurements for gNB | * Intel Corporation (UK) Ltd | * 28.552 | * 0004 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-186478 | * CR Rel-16 28.552 Add PDU Session Resource setup related measurements for gNB | * Intel Corporation (UK) Ltd | * 28.552 | * 0004 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-186243 | * CR Rel-16 28.552 Add inter-gNB handover related measurements | * Intel Corporation (UK) Ltd | * 28.552 | * 0005 | * - | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-186373 | * CR Rel-16 28.552 Add inter-gNB handover related measurements | * Intel Corporation (UK) Ltd | * 28.552 | * 0005 | * 1 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * revised |
| * S5-186473 | * CR Rel-16 28.552 Add inter-gNB handover related measurements | * Intel Corporation (UK) Ltd | * 28.552 | * 0005 | * 2 | * Rel-16 | * B | * 5G\_SLICE\_ePA | * agreed |
| * S5-186284 | * Rel-15 CR 28554 Align title with TS database | * Ericsson LM | * 28.554 | * 0001 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-186226 | * CR Rel-16 28.622 Add IOC for supporting management of non-collocated LWA | * Intel Corporation (UK) Ltd | * 28.622 | * 0026 | * - | * Rel-16 | * B | * OAM\_LTE\_WLAN | * not pursued |
| * S5-186227 | * CR Rel-16 28.623 Add IOC for supporting management of non-collocated LWA | * Intel Corporation (UK) Ltd | * 28.623 | * 0017 | * - | * Rel-16 | * B | * OAM\_LTE\_WLAN | * not pursued |
| * S5-186107 | * Rel-15 CR 28.526 Add a procedure to associate an PNF with a PNF profile | * Intel Mobile France | * 28.629 | * 0015 | * - | * Rel-15 | * F | * NETSLICE-MNFV5G | * revised |
| * S5-186341 | * Rel-15 CR 28.526 Add a procedure to associate an PNF with a PNF profile | * Intel Mobile France | * 28.629 | * 0015 | * 1 | * Rel-15 | * F | * NETSLICE-MNFV5G | * agreed |
| * S5-186069 | * Update Figure 4.2.1-3 to solve the clash between CR28 and CR30 | * Nokia, Nokia Shanghai Bell | * 28.658 | * 0032 | * - | * Rel-15 | * D | * NETSLICE-5GNRM | * revised |
| * S5-186325 | * Update Figure 4.2.1-3 Transport view of E-UTRAN and ng-eNB NRM | * Nokia, Nokia Shanghai Bell | * 28.658 | * 0032 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186231 | * CR Rel-16 28.658 Add IOCs for managing non-collocated LWA | * Intel Corporation (UK) Ltd | * 28.658 | * 0033 | * - | * Rel-16 | * B | * OAM\_LTE\_WLAN | * revised |
| * S5-186393 | * CR Rel-16 28.658 Add IOCs for managing non-collocated LWA | * Intel Corporation (UK) Ltd | * 28.658 | * 0033 | * 1 | * Rel-16 | * B | * OAM\_LTE\_WLAN | * agreed |
| * S5-186234 | * CR Rel-16 28.659 Add IOCs for managing non-collocated LWA | * Intel Corporation (UK) Ltd | * 28.659 | * 0026 | * - | * Rel-16 | * B | * OAM\_LTE\_WLAN | * revised |
| * S5-186394 | * CR Rel-16 28.659 Add IOCs for managing non-collocated LWA | * Intel Corporation (UK) Ltd | * 28.659 | * 0026 | * 1 | * Rel-16 | * B | * OAM\_LTE\_WLAN | * agreed |
| * S5-186187 | * CR Rel-15 28662 on frequency band | * Ericsson Inc. | * 28.662 | * 0006 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186360 | * CR Rel-15 28662 on frequency band | * Ericsson Inc. | * 28.662 | * 0006 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186192 | * CR Rel-15 28662 Modify SectorEquipmentFunction properties to support NR | * Ericsson Inc. | * 28.662 | * 0007 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186366 | * CR Rel-15 28662 Modify SectorEquipmentFunction properties to support NR | * Ericsson Inc. | * 28.662 | * 0007 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186188 | * CR Rel-15 28663 on frequency band | * Ericsson Inc. | * 28.663 | * 0018 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186361 | * CR Rel-15 28663 on frequency band | * Ericsson Inc. | * 28.663 | * 0018 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186193 | * CR Rel-15 28663 Modify SectorEquipmentFunction properties to support NR | * Ericsson Inc. | * 28.663 | * 0019 | * - | * Rel-15 | * F | * NETSLICE-5GNRM | * revised |
| * S5-186367 | * CR Rel-15 28663 Modify SectorEquipmentFunction properties to support NR | * Ericsson Inc. | * 28.663 | * 0019 | * 1 | * Rel-15 | * F | * NETSLICE-5GNRM | * agreed |
| * S5-186150 | * CR CUPS NRM IOC clean up | * HUAWEI TECH. GmbH | * 28.708 | * 0009 | * - | * Rel-15 | * F | * FS\_MECUPS | * revised |
| * S5-186352 | * CR CUPS NRM IOC clean up | * HUAWEI TECH. GmbH | * 28.708 | * 0009 | * 1 | * Rel-15 | * F | * ME\_CUPS | * agreed |
| * S5-186152 | * CR CUPS XML schema update | * HUAWEI TECH. GmbH | * 28.709 | * 0012 | * - | * Rel-15 | * F | * FS\_MECUPS | * revised |
| * S5-186354 | * CR CUPS XML schema update | * HUAWEI TECH. GmbH | * 28.709 | * 0012 | * 1 | * Rel-15 | * F | * ME\_CUPS | * agreed |
| * S5-186153 | * CR CUPS CORBA schema update | * HUAWEI TECH. GmbH | * 28.709 | * 0013 | * - | * Rel-15 | * F | * FS\_MECUPS | * revised |
| * S5-186355 | * CR CUPS CORBA schema update | * HUAWEI TECH. GmbH | * 28.709 | * 0013 | * 1 | * Rel-15 | * F | * ME\_CUPS | * agreed |
| * S5-186222 | * Rel-15 CR 32.156 Add producer - consumer interaction to Annex B | * Ericsson LM | * 32.156 | * 0016 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186399 | * Rel-15 CR 32.156 Add producer - consumer interaction to Annex B | * Ericsson LM | * 32.156 | * 0016 | * 1 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-186223 | * Rel-15 CR 32.156 Add producer - consumer interaction to Annex F | * Ericsson LM | * 32.156 | * 0017 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186400 | * Rel-15 CR 32.156 Add producer - consumer interaction to Annex F | * Ericsson LM | * 32.156 | * 0017 | * 1 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-186256 | * Rel-15 CR 32.156 Update example of the generalization relationship | * Ericsson LM | * 32.156 | * 0018 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186401 | * Rel-15 CR 32.156 Update example of the generalization relationship | * Ericsson LM | * 32.156 | * 0018 | * 1 | * Rel-15 | * F | * NETSLICE | * agreed |
| * S5-186229 | * CR 32.158 Extend resource representation format descriptions | * Nokia, Nokia Shanghai Bell | * 32.158 | * 0001 | * - | * Rel-15 | * F | * TEI15 | * revised |
| * S5-186409 | * CR 32.158 Extend resource representation format descriptions | * Nokia, Nokia Shanghai Bell | * 32.158 | * 0001 | * 1 | * Rel-15 | * F | * REST\_SS | * agreed |
| * S5-186247 | * R15 CR 32.240 Introduction of SMSF in charging architecture for 5GS | * Nokia, Nokia Shanghai Bell | * 32.240 | * 0408 | * - | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * revised |
| * S5-186293 | * R15 CR 32.240 Introduction of SMSF in charging architecture for 5GS | * Nokia, Nokia Shanghai Bell | * 32.240 | * 0408 | * 1 | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * agreed |
| * S5-186084 | * R15 CR 32.251 Correction in OCS subscription to multiple PRA(s) | * Nokia, Nokia Shanghai Bell | * 32.251 | * 0506 | * - | * Rel-15 | * F | * AULC-CH, TEI15 | * revised |
| * S5-186305 | * R15 CR 32.251 Correction in OCS subscription to multiple PRA(s) | * Nokia, Nokia Shanghai Bell | * 32.251 | * 0506 | * 1 | * Rel-15 | * F | * AULC-CH, TEI15 | * agreed |
| * S5-186086 | * R15 CR 32.251 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * 32.251 | * 0507 | * - | * Rel-15 | * F | * AULC-CH, TEI15 | * revised |
| * S5-186307 | * R15 CR 32.251 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * 32.251 | * 0507 | * 1 | * Rel-15 | * F | * AULC-CH, TEI15 | * agreed |
| * S5-186114 | * R15 CR 32.254 Correction on TTRI and TLTRI | * Huawei Technologies | * 32.254 | * 0001 | * - | * Rel-15 | * F | * TEI15, NAPS-CH | * revised |
| * S5-186311 | * R15 CR 32.254 Correction on TTRI and TLTRI | * Huawei Technologies | * 32.254 | * 0001 | * 1 | * Rel-15 | * F | * TEI15, NAPS-CH | * agreed |
| * S5-186123 | * R15 CR 32.255 Correction on the User Information | * Huawei | * 32.255 | * 0001 | * - | * Rel-15 | * F | * TEI15, 5GS\_Ph1-DCH | * revised |
| * S5-186314 | * R15 CR 32.255 Correction on the User Information | * Huawei | * 32.255 | * 0001 | * 1 | * Rel-15 | * F | * TEI15, 5GS\_Ph1-DCH | * agreed |
| * S5-186203 | * Rel-15 CR 32.255 Charging Characteristics in roaming | * Ericsson | * 32.255 | * 0002 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-186387 | * Rel-15 CR 32.255 Charging Characteristics in roaming | * Ericsson | * 32.255 | * 0002 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-186205 | * Rel-15 CR 32.255 Clarification of CHF selection | * Ericsson | * 32.255 | * 0003 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-186388 | * Rel-15 CR 32.255 Clarification of CHF selection | * Ericsson | * 32.255 | * 0003 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-186206 | * Rel-15 CR 32.255 Clarification of Charging Identifier handling | * Ericsson | * 32.255 | * 0004 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-186385 | * Rel-15 CR 32.255 Clarification of Charging Identifier handling | * Ericsson | * 32.255 | * 0004 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-186254 | * R15 CR 32.255 Complete description for CHF selection in roaming | * Nokia, Nokia Shanghai Bell | * 32.255 | * 0005 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-186389 | * R15 CR 32.255 Correction of errors from Edithelp | * Nokia, Nokia Shanghai Bell | * 32.255 | * 0005 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-186281 | * R15 CR 32.255 Correction on flows for alignment with TS 23.502 | * Nokia, Nokia Shanghai Bell | * 32.255 | * 0006 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-186418 | * R15 CR 32.255 Correction on flows for alignment with TS 23.502 | * Nokia, Nokia Shanghai Bell | * 32.255 | * 0006 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-186095 | * R15 CR 32.260 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * 32.260 | * 0394 | * - | * Rel-15 | * F | * 5GS\_Ph1\_IMSCH | * revised |
| * S5-186310 | * R15 CR 32.260 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * 32.260 | * 0394 | * 1 | * Rel-15 | * F | * 5GS\_Ph1\_IMSCH | * agreed |
| * S5-186209 | * Rel-15 CR 32.274 Addition of Converged Charging flows | * Ericsson | * 32.274 | * 0053 | * - | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * revised |
| * S5-186295 | * Rel-15 CR 32.274 Addition of Converged Charging flows | * Ericsson, Nokia, Nokia Shanghai Bell | * 32.274 | * 0053 | * 1 | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * agreed |
| * S5-186248 | * R15 CR 32.274 Introduction of SMSF as a new Node for SMS charging | * Nokia, Nokia Shanghai Bell | * 32.274 | * 0054 | * - | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * revised |
| * S5-186294 | * R15 CR 32.274 Introduction of SMSF as a new Node for SMS charging | * Nokia, Nokia Shanghai Bell | * 32.274 | * 0054 | * 1 | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * agreed |
| * S5-186249 | * R15 CR 32.274 Introduction of SMS charging scenario for SMSF | * Nokia, Nokia Shanghai Bell | * 32.274 | * 0055 | * - | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * merged |
| * S5-186250 | * R15 CR 32.274 Introduction of CHF CDR generation for SMSF | * Nokia, Nokia Shanghai Bell | * 32.274 | * 0056 | * - | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * revised |
| * S5-186296 | * R15 CR 32.274 Introduction of CHF CDR generation for SMSF | * Nokia, Nokia Shanghai Bell | * 32.274 | * 0056 | * 1 | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * agreed |
| * S5-186251 | * R15 CR 32.274 Introduction of Message content charging SMSF | * Nokia, Nokia Shanghai Bell | * 32.274 | * 0057 | * - | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * revised |
| * S5-186297 | * R15 CR 32.274 Introduction of Message content charging SMSF | * Nokia, Nokia Shanghai Bell | * 32.274 | * 0057 | * 1 | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * agreed |
| * S5-186252 | * R15 CR 32.274 Introduction of CHF CDR description for SMSF | * Nokia, Nokia Shanghai Bell | * 32.274 | * 0058 | * - | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * revised |
| * S5-186298 | * R15 CR 32.274 Introduction of CHF CDR description for SMSF | * Nokia, Nokia Shanghai Bell | * 32.274 | * 0058 | * 1 | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * agreed |
| * S5-186253 | * R15 CR 32.274 Introduction of SMS information converged charging | * Nokia, Nokia Shanghai Bell | * 32.274 | * 0059 | * - | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * revised |
| * S5-186299 | * R15 CR 32.274 Introduction of SMS information converged charging | * Nokia, Nokia Shanghai Bell | * 32.274 | * 0059 | * 1 | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * agreed |
| * S5-186128 | * R15 CR 32.290 Failure Handling Mechnism Description Clarification | * Huawei | * 32.290 | * 0018 | * - | * Rel-15 | * F | * TEI15, 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186378 | * R15 CR 32.290 Failure Handling Mechnism Description Clarification | * Huawei | * 32.290 | * 0018 | * 1 | * Rel-15 | * F | * TEI15, 5GS\_Ph1-SBI\_CH | * not pursued |
| * S5-186200 | * Rel-15 CR 32.290 Clarifying requested units handling | * Ericsson | * 32.290 | * 0019 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186382 | * Rel-15 CR 32.290 Clarifying requested units handling | * Ericsson | * 32.290 | * 0019 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-186124 | * R15 CR 32.291 Correction on the Reference and Resource name | * Huawei | * 32.291 | * 0001 | * - | * Rel-15 | * F | * TEI15, 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186315 | * R15 CR 32.291 Correction on the Reference and Resource name | * Huawei | * 32.291 | * 0001 | * 1 | * Rel-15 | * F | * TEI15, 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-186125 | * R15 CR 32.291 Editorial Correction | * Huawei | * 32.291 | * 0002 | * - | * Rel-15 | * D | * TEI15, 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186316 | * R15 CR 32.291 Editorial Correction | * Huawei | * 32.291 | * 0002 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-186126 | * R15 CR 32.291 Data Type Applicability Correction | * Huawei | * 32.291 | * 0003 | * - | * Rel-15 | * F | * TEI15, 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186376 | * R15 CR 32.291 Data Type Applicability Correction | * Huawei | * 32.291 | * 0003 | * 1 | * Rel-15 | * F | * TEI15, 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-186127 | * R15 CR 32.291 Serving Node ID Correction | * Huawei | * 32.291 | * 0004 | * - | * Rel-15 | * F | * TEI15, 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186377 | * R15 CR 32.291 Serving Node ID Correction | * Huawei | * 32.291 | * 0004 | * 1 | * Rel-15 | * F | * TEI15, 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-186129 | * R15 CR 32.291 Failure Handling Mechnism Clarification | * Huawei | * 32.291 | * 0005 | * - | * Rel-15 | * F | * TEI15, 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186379 | * R15 CR 32.291 Failure Handling Mechnism Clarification | * Huawei | * 32.291 | * 0005 | * 1 | * Rel-15 | * F | * TEI15, 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-186198 | * Rel-15 CR 32.291 Correctons to CommonData reference | * Ericsson | * 32.291 | * 0006 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186380 | * Rel-15 CR 32.291 Correctons to CommonData reference | * Ericsson | * 32.291 | * 0006 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-186199 | * Rel-15 CR 32.291 Faulty references to TS 29.512, TS 29.514 and data types | * Ericsson | * 32.291 | * 0007 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186381 | * Rel-15 CR 32.291 Faulty references to TS 29.512, TS 29.514 and data types | * Ericsson | * 32.291 | * 0007 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-186201 | * Rel-15 CR 32.291 Clarifying requested units handling | * Ericsson | * 32.291 | * 0008 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186383 | * Rel-15 CR 32.291 Clarifying requested units handling | * Ericsson | * 32.291 | * 0008 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-186208 | * Rel-15 CR 32.291 Remove of underscore in the API name | * Ericsson | * 32.291 | * 0009 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186386 | * Rel-15 CR 32.291 Remove of underscore in the API name | * Ericsson | * 32.291 | * 0009 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-186255 | * R15 CR 32.291 Correction of data type for subscriber identifier | * Nokia, Nokia Shanghai Bell | * 32.291 | * 0010 | * - | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * revised |
| * S5-186390 | * R15 CR 32.291 Correction of data type for subscriber identifier | * Nokia, Nokia Shanghai Bell | * 32.291 | * 0010 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-SBI\_CH | * agreed |
| * S5-186090 | * R15 CR 32.297 Add new 5G TS in CDR header description | * Nokia, Nokia Shanghai Bell | * 32.297 | * 0031 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-186088 | * R15 CR 32.298 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0671 | * - | * Rel-15 | * F | * AULC-CH, TEI15 | * revised |
| * S5-186421 | * R15 CR 32.298 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0671 | * 1 | * Rel-15 | * F | * AULC-CH, TEI15 | * agreed |
| * S5-186089 | * R15 CR 32.298 Correction of session priority values description | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0672 | * - | * Rel-15 | * F | * TEI15 | * agreed |
| * S5-186091 | * R12 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0673 | * - | * Rel-12 | * F | * TEI12 | * revised |
| * S5-186301 | * R12 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0673 | * 1 | * Rel-12 | * F | * TEI12 | * agreed |
| * S5-186092 | * R13 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0674 | * - | * Rel-13 | * A | * TEI12 | * revised |
| * S5-186302 | * R13 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0674 | * 1 | * Rel-13 | * A | * TEI12 | * agreed |
| * S5-186093 | * R14 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0675 | * - | * Rel-14 | * A | * TEI12 | * revised |
| * S5-186303 | * R14 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0675 | * 1 | * Rel-14 | * A | * TEI12 | * agreed |
| * S5-186094 | * R15 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0676 | * - | * Rel-15 | * A | * TEI12 | * revised |
| * S5-186304 | * R15 CR 32.298 Correction on wrong references | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0676 | * 1 | * Rel-15 | * A | * TEI12 | * agreed |
| * S5-186097 | * R15 CR 32.298 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0677 | * - | * Rel-15 | * F | * 5GS\_Ph1\_IMSCH | * revised |
| * S5-186420 | * R15 CR 32.298 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * 32.298 | * 0677 | * 1 | * Rel-15 | * F | * 5GS\_Ph1\_IMSCH | * agreed |
| * S5-186115 | * R15 CR 32.298 Correction on TTRI and TLTRI | * Huawei Technologies | * 32.298 | * 0678 | * - | * Rel-15 | * F | * TEI15, NAPS-CH | * revised |
| * S5-186312 | * R15 CR 32.298 Correction on TTRI and TLTRI | * Huawei Technologies | * 32.298 | * 0678 | * 1 | * Rel-15 | * F | * TEI15, NAPS-CH | * agreed |
| * S5-186202 | * Rel-15 CR 32.298 Correction of NetworkFunctionID in CHF CDR | * Ericsson | * 32.298 | * 0679 | * - | * Rel-15 | * F | * 5GS\_Ph1-DCH | * revised |
| * S5-186384 | * Rel-15 CR 32.298 Correction of NetworkFunctionID in CHF CDR | * Ericsson | * 32.298 | * 0679 | * 1 | * Rel-15 | * F | * 5GS\_Ph1-DCH | * agreed |
| * S5-186210 | * Rel-15 CR 32.298 Addition of SMS Charging to CHF CDR | * Ericsson | * 32.298 | * 0680 | * - | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * revised |
| * S5-186300 | * Rel-15 CR 32.298 Addition of SMS Charging to CHF CDR | * Ericsson | * 32.298 | * 0680 | * 1 | * Rel-15 | * B | * 5GS\_Ph1-SMSCH | * agreed |
| * S5-186085 | * R15 CR 32.299 Correction on reporting UE-dedicated PRA(s) to OCS | * Nokia, Nokia Shanghai Bell | * 32.299 | * 0814 | * - | * Rel-15 | * F | * AULC-CH, TEI15 | * revised |
| * S5-186306 | * R15 CR 32.299 Correction on reporting UE-dedicated PRA(s) to OCS | * Nokia, Nokia Shanghai Bell | * 32.299 | * 0814 | * 1 | * Rel-15 | * F | * AULC-CH, TEI15 | * agreed |
| * S5-186087 | * R15 CR 32.299 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * 32.299 | * 0815 | * - | * Rel-15 | * F | * AULC-CH, TEI15 | * revised |
| * S5-186308 | * R15 CR 32.299 Correction on multiple PRA(s) in offline charging | * Nokia, Nokia Shanghai Bell | * 32.299 | * 0815 | * 1 | * Rel-15 | * F | * AULC-CH, TEI15 | * agreed |
| * S5-186096 | * R15 CR 32.299 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * 32.299 | * 0816 | * - | * Rel-15 | * F | * 5GS\_Ph1\_IMSCH | * revised |
| * S5-186419 | * R15 CR 32.299 Solve Editor's Note on Access Network charging Identifier | * Nokia, Nokia Shanghai Bell | * 32.299 | * 0816 | * 1 | * Rel-15 | * F | * 5GS\_Ph1\_IMSCH | * agreed |
| * S5-186116 | * R15 CR 32.299 Correction on TTRI and TLTRI | * Huawei Technologies | * 32.299 | * 0817 | * - | * Rel-15 | * F | * TEI15, NAPS-CH | * revised |
| * S5-186313 | * R15 CR 32.299 Correction on TTRI and TLTRI | * Huawei Technologies | * 32.299 | * 0817 | * 1 | * Rel-15 | * F | * TEI15, NAPS-CH | * agreed |
| * S5-186236 | * CR Rel-16 32.425 Add measurements related to user data transmission on Xw interface for non-collocated LWA | * Intel Corporation (UK) Ltd | * 32.425 | * 0173 | * - | * Rel-16 | * B | * OAM\_LTE\_WLAN | * not pursued |
| * S5-186395 | * CR Rel-16 32.425 Add measurements related to user data transmission on Xw interface for non-collocated LWA | * Intel Corporation (UK) Ltd | * 32.425 | * 0173 | * 1 | * Rel-16 | * B | * OAM\_LTE\_WLAN | * withdrawn |
| * S5-186238 | * CR Rel-16 32.425 Add measurements related to XwAP procedures for non-collocated LWA | * Intel Corporation (UK) Ltd | * 32.425 | * 0174 | * - | * Rel-16 | * B | * OAM\_LTE\_WLAN | * revised |
| * S5-186396 | * CR Rel-16 32.425 Add measurements related to XwAP procedures for non-collocated LWA | * Intel Corporation (UK) Ltd | * 32.425 | * 0174 | * 1 | * Rel-16 | * B | * OAM\_LTE\_WLAN | * not pursued |
| * S5-186151 | * CR CUPS measurement clean up | * HUAWEI TECH. GmbH | * 32.426 | * 0071 | * - | * Rel-15 | * D | * FS\_MECUPS | * revised |
| * S5-186353 | * CR CUPS measurement clean up | * HUAWEI TECH. GmbH | * 32.426 | * 0071 | * 1 | * Rel-15 | * F | * ME\_CUPS | * agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply in |
| * S5-186043 |  | * Resubmitted Reply LS from CT3 to SA5 on Addition of AVP code definitions | * C3-183701 | * replied to | * S5-186288 |
| * S5-186044 |  | * Reply LS from CT4 to SA5 on template availability in TS 29.501 | * C4-186360 | * noted |  |
| * S5-186045 |  | * LS from CT4 cc SA5 on API specification and API version number maintenance | * C4-186602 | * noted |  |
| * S5-186046 |  | * Reply LS from TSG CT to SA5 on API specification and API version number maintenance | * CP-182239 | * postponed |  |
| * S5-186047 |  | * Liaison to 3GPP SA5 on Energy Efficiency for 5G | * ETSI TC EE | * replied to | * S5-186375 |
| * S5-186048 |  | * LS to SA5 on Joint ETSI - OSA Workshop: Open Implementations & Standardization | * ETSI | * noted |  |
| * S5-186049 |  | * Resubmitted LS from IETF to SA5 on Further Information About IETF Work Relevant to Network Slicing | * IETF | * noted |  |
| * S5-186050 |  | * Resubmitted LS from GSMA to SA5 on Publication of new paper on network slicing and future plans | * GSMA NEST | * replied to | * S5-186365 |
| * S5-186051 |  | * Resubmitted Lsout from ETSI NFV (forwarded to SA5) to various organisations on usage of NFV Specifications | * ETSI ISG NFV | * replied to | * S5-186317 |
| * S5-186052 |  | * LS from ETSI NFV to SA5 on ETSI starts work on YANG models for Virtualised Network Function and Network Services Descriptor specification | * ETSI ISG NFV | * noted |  |
| * S5-186053 |  | * LS from ETSI NFV to SA5 on Clarifications on support of priority of NFV NS in context of Network Slicing | * ETSI ISG NFV | * replied to | * S5-186318 |
| * S5-186054 |  | * LSOut reply from ETSI NFV to 3GPP SA5 on connectivity among PNF and VNF instances | * ETSI ISG NFV | * noted |  |
| * S5-186055 |  | * LS from RAN3 cc SA5 on Data Volume Reporting in 5GC | * R3-185307 | * noted |  |
| * S5-186056 |  | * LS from RAN4 cc SA5 on RAN2 progress on ANR | * R4-1811851 | * noted |  |
| * S5-186057 |  | * LS from SA1 to SA5 on Multi-identity and multi-device requirements | * S1-182744 | * replied to | * S5-186289 |
| * S5-186058 |  | * LS from SA2 to SA5 on Slice related Data Analytics | * S2-189049 | * replied to | * S5-186371 |
| * S5-186059 |  | * Reply LS from SA3 cc SA5 on Bluetooth/WLAN measurement collection in MDT | * S3-182592 | * noted |  |
| * S5-186060 |  | * Resubmitted Reply LS from SA4 to SA5 on Attributes for QoE measurement collection | * S4-180240 | * postponed |  |
| * S5-186061 |  | * Resubmitted LS from ITU-T to SA5 on LS on cooperation on REST-based network management framework | * ITU-T SG2 | * postponed |  |
| * S5-186062 |  | * LS from ITU-T to SA5 on LS on consent of draft Recommendation Y.3103 (formerly Y.IMT2020-BM) | * ITU-T SG13 | * replied to | * S5-186320 |
| * S5-186286 |  | * LS from BBF cc SA5 on Response to 3GPP SA2 liaison S2-189038 on ‘general status of work’ | * BBF | * replied to | * S5-186322 |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| * S5-186288 | * Reply to: Resubmitted Reply LS from CT3 to SA5 on Addition of AVP code definitions | * CT3 | * - | * S5-186043 |
| * S5-186289 | * Reply to: LS from SA1 to SA5 on Multi-identity and multi-device requirements | * SA1 | * - | * S5-186057 |
| * S5-186309 | * LS to CT3 on PRA extension for offline charging | * CT3 | * - |  |
| * S5-186317 | * Reply to: Resubmitted Lsout from ETSI NFV (forwarded to SA5) to various organisations on usage of NFV Specifications | * ETSI ISG NFV | * SA | * S5-186051 |
| * S5-186318 | * Reply to: LS from ETSI NFV to SA5 on Clarifications on support of priority of NFV NS in context of Network Slicing | * ETSI ISG NFV | * - | * S5-186053 |
| * S5-186320 | * Reply to: LS from ITU-T to SA5 on LS on consent of draft Recommendation Y.3103 (formerly Y.IMT2020-BM) | * ITU-T SG13 | * 3GPP SA, ITU-T SG2, ITU-T SG11, ITU-T SG15, ITU-T SG16, ITU-T SG20, 3GPP SA1, NGMN, ETSI ISG NFV | * S5-186062 |
| * S5-186321 | * LS to 3GPP SA1 on business roles related to 5G networks and network slicing management | * 3GPP SA1 | * - | * - |
| * S5-186365 | * Reply to: Resubmitted LS from GSMA to SA5 on Publication of new paper on network slicing and future plans | * GSMA NEST | * NGMN, TM Forum, Broadband Forum, ETSI ISG NFV, ETSI ZSM ISG, 3GPP SA1 | * S5-186050 |
| * S5-186375 | * Reply to: Liaison to 3GPP SA5 on Energy Efficiency for 5G | * ETSI TC EE | * 3GPP SA, 3GPP RAN, 3GPP RAN2, 3GPP RAN3 | * S5-186047 |
| * S5-186392 | * LS to RAN2 on Data Volume measurements | * 3GPP RAN2 | * 3GPP RAN1, 3GPP RAN3, 3GPP SA | * - |
| * S5-186484 | * Reply to: LS from BBF cc SA5 on Response to 3GPP SA2 liaison S2-189038 on ‘general status of work’ | * BBF | * SA2 | * S5-186286 |
| * S5-186491 | * Reply LS on Slice related Data Analytics | * SA2 | * RAN3 | * S5-186058 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| * S5-186290 | * New SID on Charging Aspects of Network Slicing in 5G Phase 2 | * Huawei Technologies | * SID new |
| * S5-186291 | * New WID on 5G Online and Offline Charging Services | * Huawei Technologies | * WID new |
| * S5-186292 | * New WID on Charging Enhancement of 5GC interworking with EPC | * Huawei Technologies | * WID new |
| * S5-186323 | * New WID on management service discovery in 5G networks | * HUAWEI TECH. GmbH | * WID new |
| * S5-186485 | * New WID on NRM enhancements | * Nokia Shanghai Bell | * WID new |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| * S5-186041 | * 28.310 | * 0.0.0 | * TS 28.310 Skeleton |
| * S5-186065 | * 28.812 | * 0.0.0 | * skeleton TR 28.812-000 |
| * S5-186066 | * 28.804 | * 0.0.0 | * Draft TR 28.804 Skeleton |
| * S5-186105 | * 28.861 | * 0.0.0 | * Skeleton for TR 28.861 |
| * S5-186182 | * 28.805 | * 0.0.0 | * Rel-16 draft TR Skeleton 28.805 |
| * S5-186269 | * 32.160 | * 0.0.0 | * Rel-16 draft TS Skeleton 32.160 |
| * S5-186402 | * 32.160 | * 0.1.0 | * Draft TS 32.160 |
| * S5-186422 | * 28.804 | * 0.1.0 | * Draft TR 28.804 |
| * S5-186431 | * 32.972 | * 1.1.0 | * Draft TR 32.972 |
| * S5-186439 | * 28.900 | * 0.6.0 | * Draft TR 28.900 |
| * S5-186454 | * 28.404 | * 0.5.0 | * Draft TS 28.404 |
| * S5-186455 | * 28.405 | * 0.3.0 | * Draft TS 28.405 |
| * S5-186456 | * 28.805 | * 0.1.0 | * Draft TR 28.805 |
| * S5-186463 | * 28.861 | * 0.1.0 | * Draft TR 28.861 |
| * S5-186469 | * 28.550 | * 2.1.0 | * Draft TS 28.550 |
| * S5-186471 | * 28.812 | * 0.1.0 | * Draft TR 28.812 |
| * S5-186472 | * 28.311 | * 0.1.0 | * Draft TS 28.311 |
| * S5-186477 | * 28.310 | * 0.1.0 | * Draft TS 28.310 |

## Annex F: List of participants

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Role | Employer Organization | Employer Category Code | Employer Status Code | Organization Represented | Organization Represented Category Code |
| Dr. | Al-kanani | Hassan | Delegate | NEC Europe Ltd | ETSI | 3GPPMEMBER | NEC Telecom MODUS Ltd. | ETSI |
| Mr. | Andrianov | Anatoly | Delegate | Nokia Germany | ETSI | 3GPPMEMBER | Nokia Japan | ARIB |
| Mrs. | Ayani | Zhulia | Delegate | Ericsson LM | ETSI | 3GPPMEMBER | Ericsson Japan K.K. | ARIB |
| Mr. | Cano Soveri | Mirko | SECRETARY | ETSI | ETSI | 3GPPORG\_REP | ETSI | ETSI |
| Miss | CHEN | SHAN | Delegate | Huawei Tech.(UK) Co., Ltd | ETSI | 3GPPMEMBER | Futurewei Technologies | ATIS |
| Mr. | Chou | Joey | Delegate | Intel Corporation (UK) Ltd | ETSI | 3GPPMEMBER | Intel Mobile France | ETSI |
| Dr. | Cornily | Jean Michel | ViceChairman | Orange | ETSI | 3GPPMEMBER | Orange Romania | ETSI |
| Mrs. | Gardella | Maryse | Subgrp chair | Nokia France | ETSI | 3GPPMEMBER | Nokia Belgium | ETSI |
| Mr. | Groenendijk | Jan | Delegate | Ericsson LM | ETSI | 3GPPMEMBER | Ericsson Limited | ETSI |
| Mr. | Harper | Colby | Delegate | Pivotal Commware | ATIS | 3GPPMEMBER | Pivotal Commware | ATIS |
| Mr. | Horvat | Attila | Delegate | Huawei Technologies Sweden AB | ETSI | 3GPPMEMBER | Huawei Technologies Sweden AB | ETSI |
| Mr. | IJntema | Wieger | Delegate | TNO | ETSI | 3GPPMEMBER | KPN N.V. | ETSI |
| Mr. | Klotz | Michael | Delegate | Deutsche Telekom AG | ETSI | 3GPPMEMBER | Deutsche Telekom AG | ETSI |
| Mr. | Kumar | Avanish | Delegate | Ericsson India Private Limited | TSDSI | 3GPPMEMBER | Ericsson India Private Limited | TSDSI |
| Mr. | Lee | Seungik | Delegate | ETRI | RESEARCH PU | ASSOCIATE | ETRI | TTA |
| Mr. | Li | Gang | Delegate | Nanjing Ericsson Panda Com Ltd | CCSA | 3GPPMEMBER | Nanjing Ericsson Panda Com Ltd | CCSA |
| Mr. | Nagabushanam | Hari Kumar | Delegate | Ericsson India Private Limited | TSDSI | 3GPPMEMBER | Ericsson India Private Limited | TSDSI |
| Mr. | Petersen | Robert | Rapporteur | Ericsson LM | ETSI | 3GPPMEMBER | Ericsson-LG Co., LTD | TTA |
| Miss | Ping | Jing | Delegate | Nokia Germany | ETSI | 3GPPMEMBER | Nokia Shanghai Bell | CCSA |
| Dr. | Pollakowski | Olaf | Delegate | Nokia Germany | ETSI | 3GPPMEMBER | Nokia Corporation | ETSI |
| Dr. | Senarath | Gamini | Delegate | Huawei Technologies Co. Ltd. | ETSI | 3GPPMEMBER | Huawei Technologies Co. Ltd. | ETSI |
| Mr. | Smith | David K. | Delegate | AT&T GNS Belgium SPRL | ETSI | 3GPPMEMBER | AT&T GNS Belgium SPRL | ETSI |
| Mr. | Törnkvist | Robert | Delegate | Ericsson LM | ETSI | 3GPPMEMBER | Ericsson France S.A.S | ETSI |
| Mr. | Tovinger | Thomas | Chairman | Ericsson LM | ETSI | 3GPPMEMBER | Ericsson LM | ETSI |
| Mr. | Tse | Edwin | Delegate | Ericsson LM | ETSI | 3GPPMEMBER | Ericsson Inc. | ATIS |
| Mr. | Xu | Ruiyue | Delegate | Huawei Tech.(UK) Co., Ltd | ETSI | 3GPPMEMBER | Huawei Device Co., Ltd | CCSA |
| Mr. | Zhang | Kai | Delegate | Huawei Tech.(UK) Co., Ltd | ETSI | 3GPPMEMBER | Huawei Technologies France | ETSI |
| Mr. | Zhu | Lei | Delegate | Huawei Tech.(UK) Co., Ltd | ETSI | 3GPPMEMBER | HUAWEI TECH. GmbH | ETSI |
| Mr. | Zhu | Weihong | Delegate | ZTE Corporation | ETSI | 3GPPMEMBER | ZTE Corporation | ETSI |
| Miss | Zou | Lan | Delegate | Huawei Tech.(UK) Co., Ltd | ETSI | 3GPPMEMBER | HUAWEI Technologies Japan K.K. | ARIB |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| * Workshop on submission towards IMT-2020 | * 2018-10-24 | * 2018-10-25 | * Brussels | * BE | * S5-ah-34069 |
| * SA5#122 | * 2018-11-12 | * 2018-11-16 | * Spokane | * US | * S5-122 |
| * SA5#123 | * 2019-01-21 | * 2019-01-25 | * Montreal | * CA | * S5-123 |
| * SA5#124 | * 2019-02-25 | * 2019-03-01 | * Taipei | * TW | * S5-124 |
| * SA5#125 | * 2019-04-08 | * 2019-04-12 | * US | * US | * S5-125 |
| * SA5#126 | * 2019-05-13 | * 2019-05-17 | * Sophia Antipolis | * FR | * S5-126 |
| * SA5-Ad Hoc Possibility TBC | * 2019-06-24 | * 2019-06-28 | * Sapporo | * JP | * S5-ah-40151 |
| * SA5#127 | * 2019-08-19 | * 2019-08-23 | * Bruges | * BE | * S5-127 |
| * SA5-OAM Ad Hoc | * 2019-10-21 | * 2019-10-25 | * Sophia Antipolis | * FR | * S5-ah-34467 |
| * SA5-Ad Hoc TBC | * 2019-10-21 | * 2019-10-25 | * TBD |  | * S5-ah-40152 |
| * SA5#128 | * 2019-11-18 | * 2019-11-22 | * China | * CN | * S5-128 |