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

**Meeting Report  
for  
TSG SA WG5  
meeting: 147**

**Athens, Greece, 27/02/2023 to 03/03/2023**

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## 1 Opening of the meeting

The SA5 Chair, Thomas Tovinger (Ericsson) welcomed everybody to Athens. He gave a short presentation on behalf of the host.

## 2 Approval of the agenda

**S5-232000 Agenda**

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

**Decision:** The document was **revised to S5-232063**.

**S5-232063 Agenda**

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

(Replaces S5-232000)

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

## 3 IPR and legal declaration

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

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

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

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

The attention of the delegates to the meeting was drawn to the fact that 3GPP activities were subject to all applicable antitrust and competition laws and that compliance with said laws was therefore required by any participant of the meeting, including the Chairman and Vice-Chairmen and were invited to seek any clarification needed with their legal counsel. The leadership would conduct the present meeting with impartiality and in the interests of 3GPP.

Delegates were reminded that timely submission of work items in advance of TSG/WG meetings was important to allow for full and fair consideration of such matters.

**S5-232001 IPR and legal declaration**

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

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

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-232002 Report from last SA5 meeting**

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

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

### 4.2 Inter-organizational reports

## 5 SA5 level issues

### 5.1 Administrative issues at SA5 level

**S5-232003 Post e-meeting email approval status**

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

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

**S5-232010 SA5 working procedures**

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

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

**S5-232014 Process for management of draft TS-TRs**

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

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

**S5-232081 Discussion paper on Using Forge-Git as the primary storage for Code**

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

**Decision:** The document was **revised to S5-232751**.

**S5-232751 Discussion paper on Using Forge-Git as the primary storage for Code**

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

(Replaces S5-232081)

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

**S5-232235 Using Forge for SA5**

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

**Abstract:**

Using Forge for SA5, for information

**Discussion:**

Nokia asked what happened at SA plenary, what was approved.Ericsson replied that the cover page stayed, stage 3 only would reside in FORGE.

Nokia was concerned what could be reviewed at SA level. Ericsson clarified that there would be a FORGE a link to the changes in FORGE (merge request). The SA5 Chair commented that this implied a change in the 3GPP working procedures that had to be approved at SA level.

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

**S5-232720 Non-Rel18 OpenAPI files handling in Rel18 branch**

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

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

### 5.2 Technical issues at SA5 level

**S5-232459 SA5 Collection of Rel-19 potential topics for SA workshop preparation**

*Type: Work Plan For: Endorsement  
 Source: SA5 Vice chair (Huawei)*

**Decision:** The document was **revised to S5-232752**.

**S5-232752 SA5 Collection of Rel-19 potential topics for SA workshop preparation**

*Type: discussion For: Endorsement  
 Source: SA5 Vice chair (Huawei)*

(Replaces S5-232459)

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

### 5.3 Liaison statements at SA5 level

**S5-232020 LS on Tracking IANA assignment requests**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: CP-223275*

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

**S5-232021 LS on ENSWI PRD Publication**

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

**Decision:** The document was **replied to in S5-232768**.

**S5-232033 Reply LS on Network federation interface for Telco edge consideration**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S3-223914*

**Decision:** The document was **replied to in S5-233146**.

**S5-232753 Reply to: Reply LS on Network federation interface for Telco edge consideration**

*Type: LS out For: approval  
 to 3GPP SA3, 3GPP SA6, cc 3GPP SA2, 3GPP SA  
 Source: Samsung*

**Decision:** The document was **revised to S5-233146**.

**S5-233146 Reply to: Reply LS on Network federation interface for Telco edge consideration**

*Type: LS out For: approval  
 to 3GPP SA3, 3GPP SA6, cc 3GPP SA2, 3GPP SA  
 Source: Samsung*

(Replaces S5-232753)

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

**S5-232041 Reply LS ccSA5 on Network federation interface for Telco edge consideration for a consolidated reply**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-223553*

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

**S5-232045 LS on the new work item Y.Arch\_NGNe\_ncp ""Architectural evolution of NGN control plane by applying SDN technology""**

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

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

**S5-232046 LS on the consent of draft new Recommendation ITU-T Y.3183 (ex. ITU-T Y.ML-IMT2020-VNS): ""Framework for network slicing management assisted by machine learning leveraging QoE feedback from verticals""**

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

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

**S5-232047 Reply LS ccSA5 on Network federation interface for Telco edge consideration**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: SP-221321*

**Decision:** The document was **replied to in S5-233147**.

**S5-232754 Reply to: Reply LS ccSA5 on Network federation interface for Telco edge consideration**

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

**Decision:** The document was **revised to S5-233147**.

**S5-233147 Reply to: Reply LS ccSA5 on Network federation interface for Telco edge consideration**

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

(Replaces S5-232754)

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

**S5-232082 LS on need for modeling isInvariant and SystemCreated in YANG**

*Type: LS out For: Approval  
 to IETF Netmod WG  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-232770**.

**S5-232770 LS on need for modeling isInvariant and SystemCreated in YANG**

*Type: LS out For: Approval  
 to IETF Netmod WG  
 Source: Ericsson Hungary Ltd*

(Replaces S5-232082)

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

**S5-232413 LS to GSMA on E2E Network Slicing Requirements**

*Type: LS out For: Approval  
 to GSMA NG ENSWI  
 Source: Huawei*

**Decision:** The document was **revised to S5-232768**.

**S5-232768 LS to GSMA on E2E Network Slicing Requirements**

*Type: LS out For: Approval  
 to GSMA NG ENSWI  
 Source: Huawei*

(Replaces S5-232413)

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

### 5.4 SA5 meeting calendar

**S5-232015 SA5 meeting calendar**

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

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

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-232004 OAM&P action list**

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

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

**S5-232005 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

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

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

**S5-232006 OAM Exec Report**

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

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

**S5-232007 OAM Chair notes and conclusions**

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

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

**S5-232011 Collection of useful endorsed document and external communication documents**

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

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

**S5-232012 Collection of Rel-18 3GPP SA5 OAM WoP**

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

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

**S5-232013 Living document for stage 2-3 alignment**

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

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

**S5-232016 Time Plan for OAM&P sessions**

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

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

**S5-232017 F2F meeting process for OAM**

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

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

**S5-232018 NGMN Reply LS to 3GPP SA5 on customer acceptance of limited QoS degradation to save energy in the network**

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

**Decision:** The document was **replied to in S5-232757**.

**S5-232022 LS on Autonomous Networks deliverables from ITU FG-AN**

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

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

**S5-232024 LS on QoE measurements in RRC IDLE/INACTIVE states**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2213054*

**Decision:** The document was **replied to in S5-232760**.

**S5-232025 Resubmitted LS on introduction of a new attribute “Only Resource Coordination” to support source coordination between LTE and NR SA**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-225206*

**Decision:** The document was **replied to in S5-233142**.

**S5-232026 Resubmitted LS on NCR Solutions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-225253*

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

**S5-232027 LS on Excess Packet Delay for MDT**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-226873*

**Decision:** The document was **replied to in S5-232150**.

**S5-232028 Reply LS ccSA5 on DN energy efficiency data analytics**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S1-223542*

**Decision:** The document was **replied to in S5-232764**.

**S5-232764 Reply to: Reply LS ccSA5 on DN energy efficiency data analytics**

*Type: LS out For: approval  
 to SA1, cc SA6  
 Source: Huawei*

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

**S5-232030 LS on Performance measurement for AI/ML**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2211428*

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

**S5-232031 LS on secured and trusted access to the serving PLMN OAM server by a MBSR**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2301465*

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

**S5-232034 Resubmitted Reply LS to Study on KQIs for 5G service experience**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-221120*

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

**S5-232035 Resubmitted Reply LS to SA5 on TS 28.404/TS 28.405 Clarification**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-221121*

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

**S5-232036 Reply LS ccSA5 on Rel-18 enhancement of NR QoE**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-221493*

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

**S5-232037 Reply LS ccSA5 on EAS relocation affinity**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-221495*

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

**S5-232038 Follow-up LS to SA5 on Study on KQIs for 5G service experience**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-221496*

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

**S5-232039 Reply LS to RAN3 ccSA5 on RAN visible QoE value**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-221604*

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

**S5-232040 Resubmitted reply LS on “Reply LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation”**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-222344*

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

**S5-232042 Clarification on the deployment of bundle EAS**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-223587*

**Decision:** The document was **replied to in S5-232762**.

**S5-232043 Reply LS ccSA5 on EAS type attribute for EAS discovery**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-230452*

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

**S5-232044 LS on the initiation of the new work item Y.AN-Arch-fw: ""Architecture Framework for Autonomous Networks""**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: SG13-LS37*

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

**S5-232048 Resubmitted LS to 3GPP SA5 on UE to application server latency**

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

**Decision:** The document was **replied to in S5-232759**.

**S5-232049 Resubmitted LS on RAN3 agreements for NR QoE**

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

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

**S5-232050 Resubmitted LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541**

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

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

**S5-232051 LS/r on RAN visible QoE value (reply to 3GPP-LS8)**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: ITU-T SG12*

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

**S5-232052 Reply LS on customer acceptation of limited QoS degradation to save energy in the network**

*Type: LS out For: Approval  
 to NGMN GFN, GSMA ENSWI, cc 3GPP SA  
 Source: Huawei*

**Decision:** The document was **revised to S5-232757**.

**S5-232757 Reply LS on customer acceptation of limited QoS degradation to save energy in the network**

*Type: LS out For: Approval  
 to NGMN GFN, GSMA ENSWI, cc 3GPP SA  
 Source: Huawei*

(Replaces S5-232052)

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

**S5-232065 LS to SA1 on Customer acceptation of QoS degradation to save energy**

*Type: LS out For: Agreement  
 to SA1  
 Source: Huawei*

**Decision:** The document was **revised to S5-232758**.

**S5-232758 LS to SA1 on Customer acceptation of QoS degradation to save energy**

*Type: LS out For: Agreement  
 to GSMA ENSWI, 3GPP SA  
 Source: Huawei*

(Replaces S5-232065)

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

**S5-232071 LS on Invitation to the ETSI ISG NFV’s 10 years anniversary**

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

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

**S5-232150 Reply LS on Excess Packet Delay Threshold for MDT**

*Type: LS out For: Approval  
 to 3GPP RAN3, cc 3GPP RAN2  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232268 Reply LS on introduction of a new attribute “Only Resource Coordination” to support source coordination between LTE and NR SA**

*Type: LS out For: Approval  
 to RAN3  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S5-233142**.

**S5-233142 Reply LS on introduction of a new attribute “Only Resource Coordination” to support source coordination between LTE and NR SA**

*Type: LS out For: Approval  
 to RAN3  
 Source: China Telecom Corporation Ltd.*

(Replaces S5-232268)

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

**S5-232270 Reply LS on QoE measurements in RRC IDLEINACTIVE states**

*Type: LS out For: Approval  
 to RAN2,RAN3, cc SA2  
 Source: Huawei*

**Decision:** The document was **revised to S5-232760**.

**S5-232760 Reply LS on QoE measurements in RRC IDLEINACTIVE states**

*Type: LS out For: Approval  
 to RAN2,RAN3, cc SA2  
 Source: Huawei*

(Replaces S5-232270)

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

**S5-232285 LS reply to GSMA OPG on UE to application server latency**

*Type: LS out For: Approval  
 to GSMA OPG, cc 3GPP SA, SA6, GSMA ENSWI  
 Source: Huawei*

**Decision:** The document was **revised to S5-232759**.

**S5-232759 LS reply to GSMA OPG on UE to application server latency**

*Type: LS out For: Approval  
 to GSMA OPG, cc 3GPP SA, SA6, GSMA ENSWI  
 Source: Huawei*

(Replaces S5-232285)

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

**S5-232286 Reply LS S6-223587 Clarification on the deployment of bundle EAS**

*Type: LS out For: Approval  
 to 3GPP SA6, cc 3GPP SA4  
 Source: Huawei*

**Decision:** The document was **revised to S5-232762**.

**S5-232762 Reply LS S6-223587 Clarification on the deployment of bundle EAS**

*Type: LS out For: Approval  
 to 3GPP SA6, cc 3GPP SA4  
 Source: Huawei*

(Replaces S5-232286)

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

**S5-232446 Rel-18&Rel-19 time plan proposal for OAM**

*Type: discussion For: Information  
 Source: SA5 Vice chair (Huawei),SA5 Chair*

(Replaces S5-231032)

**Decision:** The document was **revised to S5-232763**.

**S5-232763 Rel-18&Rel-19 time plan proposal for OAM**

*Type: discussion For: Endorsement  
 Source: SA5 Vice chair (Huawei),SA5 Chair*

(Replaces S5-232446)

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

**S5-232458 Collection of Rel-19 OAM potential topics for SA workshop preparation**

*Type: Work Plan For: Endorsement  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-232528 DP on way forward for mulitple data collection mechanisms**

*Type: discussion For: Endorsement  
 Source: Huawei*

(Replaces S5-231040)

**Decision:** The document was **revised to S5-232902**.

**S5-232902 DP on way forward for mulitple data collection mechanisms**

*Type: discussion For: Endorsement  
 Source: Huawei*

(Replaces S5-232528)

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

**S5-232611 LS on RAN UE Id optionality**

*Type: LS out For: Approval  
 to RAN3  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232761**.

**S5-232761 LS on RAN UE Id optionality**

*Type: LS out For: Approval  
 to RAN3  
 Source: Ericsson LM*

(Replaces S5-232611)

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

**S5-232685 Service Management**

*Type: discussion For: Endorsement  
 Source: Ericsson*

**Decision:** The document was **revised to S5-232766**.

**S5-232766 Service Management**

*Type: discussion For: Endorsement  
 Source: Ericsson*

(Replaces S5-232685)

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

**S5-232779 LS on O-RAN - Applicability of TS 32.404 in NR**

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

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

### 6.2 New OAM&P Work Item proposals

#### 6.2.1 Intelligence and Automation

**S5-232400 New WID on measurement data collection to support RAN intelligence**

*Type: WID new For: Approval  
 Source: Intel Belgium SA/NV*

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

**S5-232756 Revised WID on enhancements of 5G performance measurements and KPIs phase 2**

*Type: WID revised For: Approval  
 Source: Intel Belgium SA/NV*

**Decision:** The document was **revised to S5-233143**.

**S5-233143 Revised WID on enhancements of 5G performance measurements and KPIs phase 2**

*Type: WID revised For: Approval  
 Source: Intel Belgium SA/NV*

(Replaces S5-232756)

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

**S5-232417 New Rel-18 WID on Intent driven Management Service for mobile network phase 2**

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

(Replaces S5-231200)

**Abstract:**

Editorial update on the agreed WID S5-231200

**Decision:** The document was **revised to S5-232767**.

**S5-232767 New Rel-18 WID on Intent driven Management Service for mobile network phase 2**

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

(Replaces S5-232417)

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

**S5-232530 New WID on autonomous network levels phase 2**

*Type: WID new For: Approval  
 Source: China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom, Intel*

(Replaces S5-231089)

**Decision:** The document was **revised to S5-232769**.

**S5-232769 New WID on autonomous network levels phase 2**

*Type: WID new For: Approval  
 Source: China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom, Intel*

(Replaces S5-232530)

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

**S5-232557 New Rel-18 WID on Enhancement of the Management Aspects related to NWDAF**

*Type: WID new For: Approval  
 Source: Chinatelecom Cloud*

**Decision:** The document was **revised to S5-232773**.

**S5-232773 New Rel-18 WID on Enhancement of the Management Aspects related to NWDAF**

*Type: WID new For: Approval  
 Source: Chinatelecom Cloud*

(Replaces S5-232557)

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

**S5-232624 Update of Study on Enhancement of the management aspects related to NWDAF**

*Type: SID revised For: Approval  
 Source: China Telecom*

(Replaces S5-215499)

**Abstract:**

Update target date and other information.

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

**S5-232774 LS on the provisioning services specified in SA5**

*Type: LS out For: Approval  
 to SA2  
 Source: China Telecom*

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

#### 6.2.2 Management Architecture and Mechanisms

**S5-232382 New WID on SBMA enablers**

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

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

**S5-232427 New WID on Management Aspect of 5GLAN**

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

**Decision:** The document was **revised to S5-232776**.

**S5-232776 New WID on Management Aspect of 5GLAN**

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

(Replaces S5-232427)

**Decision:** The document was **revised to S5-233145**.

**S5-233145 New WID on Management Aspect of 5GLAN**

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

(Replaces S5-232776)

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

**S5-232452 new WID on Enhancement of service based management architecture**

*Type: WID new For: (not specified)  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-231047)

**Decision:** The document was **revised to S5-232775**.

**S5-232775 new WID on Enhancement of service based management architecture**

*Type: WID new For: -  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-232452)

**Decision:** The document was **revised to S5-233144**.

**S5-233144 new WID on Enhancement of service based management architecture**

*Type: WID new For: -  
 Source: Huawei,Ericsson, Nokia*

(Replaces S5-232775)

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

**S5-232462 Rel-18 WI Management Features**

*Type: discussion For: (not specified)  
 Source: 3GPP SA5 VC (Huawei)*

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

**S5-232472 New WID on Management Aspects of NTN**

*Type: WID new For: Approval  
 Source: China Unicom,CATT*

**Decision:** The document was **revised to S5-232809**.

**S5-232809 New WID on Management Aspects of NTN**

*Type: WID new For: Approval  
 Source: China Unicom,CATT*

(Replaces S5-232472)

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

**S5-232513 New Rel-18 WID on Management Aspect of 5G Network Sharing Phase2**

*Type: WID new For: Approval  
 Source: China Unicom, Huawei, CATT, China Telecom, ZTE, CMCC, AsiaInfo*

**Decision:** The document was **revised to S5-233131**.

**S5-233131 New Rel-18 WID on Management Aspect of 5G Network Sharing Phase2**

*Type: WID new For: Approval  
 Source: China Unicom, Huawei, CATT, China Telecom, ZTE, CMCC, AsiaInfo*

(Replaces S5-232513)

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

**S5-232517 New Rel-18 WID on Management Aspects of URLLC**

*Type: WID new For: Approval  
 Source: China Unicom, Huawei, CATT, China Telecom, ZTE, CMCC, AsiaInfo*

**Decision:** The document was **revised to S5-233130**.

**S5-233130 New Rel-18 WID on Management Aspects of URLLC**

*Type: WID new For: Approval  
 Source: China Unicom, Huawei, CATT, China Telecom, ZTE, CMCC, AsiaInfo*

(Replaces S5-232517)

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

**S5-232662 New WID on Management of cloud-native Virtualized Network Functions**

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

**Decision:** The document was **revised to S5-232810**.

**S5-232810 New WID on Management of cloud-native Virtualized Network Functions**

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

(Replaces S5-232662)

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

**S5-232686 New WID on enhance SBMA specifications structure**

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

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

#### 6.2.3 Support of New Services

**S5-232414 New WID on enhanced management of non-public networks**

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

**Decision:** The document was **revised to S5-232811**.

**S5-232811 New WID on enhanced management of non-public networks**

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

(Replaces S5-232414)

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

**S5-232456 New WID on network slice management capability exposure**

*Type: WID new For: Approval  
 Source: Alibaba Group, AsiaInfo, China mobile, China Unicom*

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

**S5-232567 New WID on network slice management capability exposure**

*Type: WID new For: Approval  
 Source: Alibaba Group, AsiaInfo, China mobile, China Unicom*

**Decision:** The document was **revised to S5-232812**.

**S5-232812 New WID on network slice management capability exposure**

*Type: WID new For: Approval  
 Source: Alibaba Group, AsiaInfo, China mobile, China Unicom*

(Replaces S5-232567)

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

**S5-232651 New Work Item on Network and Service Operations for Energy Utilities**

*Type: WID new For: Agreement  
 Source: Samsung, EUTC, EDF, BMWK, Deutsche Telekom*

**Abstract:**

This work item will realize this potential by providing normative changes corresponding to the conclusions of the Study on Network and Service Operations for Energy Utilities.

**Decision:** The document was **revised to S5-232813**.

**S5-232813 New Work Item on Network and Service Operations for Energy Utilities**

*Type: WID new For: Agreement  
 Source: Samsung, EUTC, EDF, BMWK, Deutsche Telekom*

(Replaces S5-232651)

**Discussion:**

Nokia objected: not ready to start the normative work. We need to check the latest CRs on this subject.

Samsung: we would like to submit this in April to start the work in May.

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

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

#### 6.3.1 Methodology

**S5-232075 Deprecate passedById**

*Type: CR For: Approval  
 32.156 v17.2.0 CR-0049 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-232076 Deprecate passedById**

*Type: CR For: Approval  
 32.156 v18.0.0 CR-0050 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-233070**.

**S5-232078 Clarifying multilevel attribute properties**

*Type: CR For: Approval  
 32.156 v17.2.0 CR-0051 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-232079 Clarifying multilevel attribute properties**

*Type: CR For: Approval  
 32.156 v17.2.0 CR-0052 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-233071**.

**S5-233071 Clarifying multilevel attribute properties**

*Type: CR For: Approval  
 32.156 v17.2.0 CR-0052 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-232079)

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

**S5-232080 Clarifying multilevel attribute properties**

*Type: CR For: Approval  
 32.156 v18.0.0 CR-0053 Cat: A (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-233072**.

**S5-233072 Clarifying multilevel attribute properties**

*Type: CR For: Approval  
 32.156 v18.0.0 CR-0053 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-232080)

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

**S5-232083 DP on restructuring TS 28-545**

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

**Decision:** The document was **revised to S5-232771**.

**S5-232771 DP on restructuring TS 28-545**

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

(Replaces S5-232083)

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

**S5-232269 YANG Corrections**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0234 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-232772**.

**S5-232772 YANG Corrections**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0234 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-232269)

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

**S5-232690 Clarification of Requirements and Use Case template**

*Type: CR For: Approval  
 32.160 v18.0.0 CR-0035 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-233073**.

**S5-233073 Clarification of Requirements and Use Case template**

*Type: CR For: Approval  
 32.160 v18.0.0 CR-0035 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-232690)

**Decision:** The document was **revised to S5-233148**.

**S5-233148 Clarification of Requirements and Use Case template**

*Type: CR For: Approval  
 32.160 v18.0.0 CR-0035 rev 2 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-233073)

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

#### 6.3.2 ANL

#### 6.3.3 MDAS

**S5-232061 Fixing inconsistencies in Energy Saving related attribute definitions**

*Type: CR For: Approval  
 28.104 v17.2.0 CR-0030 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232164 Rel-17 CR TS 28.622 Adding "altitude" to GeoArea datatype**

*Type: CR For: Approval  
 28.622 v17.4.1 CR-0214 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232167 Rel-17 CR TS 28.623 Adding "altitude" to GeoArea datatype - Stage 3**

*Type: CR For: Approval  
 28.623 v17.4.2 CR-0224 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232172 Rel-18 CR TS 28.622 Adding "altitude" to GeoArea datatype**

*Type: CR For: Approval  
 28.622 v18.1.0 CR-0217 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232174 Rel-18 CR TS 28.623 Adding "altitude" to GeoArea datatype - Stage 3**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0226 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232204 Rel-17 CR TS 28.105 Correction of the figure for ML training function**

*Type: CR For: Agreement  
 28.105 v17.2.0 CR-0016 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

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

**S5-232271 Rel-17 CR TS 28.104 correct error of references number**

*Type: CR For: Approval  
 28.104 v17.2.0 CR-0031 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232272 Rel-17 CR TS 28.104 Adding missing support qualifier of maintenance analysis use case**

*Type: CR For: Approval  
 28.104 v17.2.0 CR-0032 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-232981**.

**S5-232981 Rel-17 CR TS 28.104 Adding missing support qualifier of maintenance analysis use case**

*Type: CR For: Approval  
 28.104 v17.2.0 CR-0032 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-232272)

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

**S5-232273 Rel-17 CR TS 28.104 Correct errors in HOTargetType and NRM fragment note**

*Type: CR For: Approval  
 28.104 v17.2.0 CR-0033 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232290 Improve definition of network slice throughput analysis**

*Type: CR For: Agreement  
 28.104 v17.2.0 CR-0034 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232297 Correct multiplicity of attribute mDAOutputIEName**

*Type: CR For: Agreement  
 28.104 v17.2.0 CR-0040 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232368 Correction of terminology**

*Type: CR For: Agreement  
 28.104 v17.2.0 CR-0041 Cat: F (Rel-17)  
  
 Source: Intel, NEC*

**Decision:** The document was **revised to S5-233059**.

**S5-233059 Correction of terminology**

*Type: CR For: Agreement  
 28.104 v17.2.0 CR-0041 rev 1 Cat: F (Rel-17)  
  
 Source: Intel, NEC*

(Replaces S5-232368)

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

**S5-232395 Rel-18 CR 28.104 Clarification of energy saving analysis use case**

*Type: CR For: Approval  
 28.104 v17.2.0 CR-0042 Cat: F (Rel-18)  
  
 Source: Intel Belgium SA/NV*

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

**S5-232716 Rel-17 CR 28.532 Add predicted alarms (stage 2)**

*Type: CR For: Approval  
 28.532 v17.3.0 CR-0248 Cat: C (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Current alarms acc. TS 28.532 are able to report future problems by overloading severity=warning. This CR adds dedicated fields to an alarm in order to avoid overloading "warning".

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

#### 6.3.4 AI/ML

**S5-232161 Rel-17 CR TS 28.105 Adding the missing definition of attributes Stage 2 and Stage 3**

*Type: CR For: Approval  
 28.105 v17.2.0 CR-0011 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232162 Rel-17 CR TS 28.105 Adding the missing relation between ML entity and ML process**

*Type: CR For: Approval  
 28.105 v17.2.0 CR-0012 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232163 Rel-17 CR TS 28.105 Correcting the attribute properties**

*Type: CR For: Approval  
 28.105 v17.2.0 CR-0013 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **revised to S5-233067**.

**S5-233067 Rel-17 CR TS 28.105 Correcting the attribute properties**

*Type: CR For: Approval  
 28.105 v17.2.0 CR-0013 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

(Replaces S5-232163)

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

**S5-232202 Correction of the Handling errors in data and ML decisions**

*Type: CR For: Agreement  
 28.105 v17.2.0 CR-0014 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233060**.

**S5-233060 Correction of the Handling errors in data and ML decisions**

*Type: CR For: Agreement  
 28.105 v17.2.0 CR-0014 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-232202)

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

**S5-232203 Rel-17 CR TS 28.105 Correction of terminologies**

*Type: CR For: Agreement  
 28.105 v17.2.0 CR-0015 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-233061**.

**S5-233061 Rel-17 CR TS 28.105 Correction of terminologies**

*Type: CR For: Agreement  
 28.105 v17.2.0 CR-0015 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-232203)

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

**S5-232276 Rel-17 CR TS 28.105 correct AI/ML related terms**

*Type: CR For: Approval  
 28.105 v17.2.0 CR-0017 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-233062**.

**S5-233062 Rel-17 CR TS 28.105 correct AI/ML related terms**

*Type: CR For: Approval  
 28.105 v17.2.0 CR-0017 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-232276)

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

**S5-232277 Rel-17 CR TS 28.105 correct formatting and spelling errors**

*Type: CR For: Approval  
 28.105 v17.2.0 CR-0018 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-233068**.

**S5-233068 Rel-17 CR TS 28.105 correct formatting and spelling errors**

*Type: CR For: Approval  
 28.105 v17.2.0 CR-0018 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-232277)

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

**S5-232278 Rel17 CR TS 28.105 correct attribute definitions**

*Type: CR For: Approval  
 28.105 v17.2.0 CR-0019 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-233069**.

**S5-233069 Rel17 CR TS 28.105 correct attribute definitions**

*Type: CR For: Approval  
 28.105 v17.2.0 CR-0019 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-232278)

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

**S5-232370 Correction of terminology**

*Type: CR For: Agreement  
 28.105 v17.2.0 CR-0020 Cat: F (Rel-17)  
  
 Source: Intel, NEC*

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

**S5-232715 Rel-17 CR TS 28.105 Correction of the figure for ML training function**

*Type: CR For: Agreement  
 28.105 v17.2.0 CR-0021 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-233063**.

**S5-233063 Rel-17 CR TS 28.105 Correction of the figure for ML training function**

*Type: CR For: Agreement  
 28.105 v17.2.0 CR-0021 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-232715)

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

#### 6.3.5 Energy efficiency

**S5-232053 Correct latency-based URLLC EE KPI unit**

*Type: CR For: Approval  
 28.310 v17.4.0 CR-0023 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232054 Correct latency-based URLLC EE KPI unit**

*Type: CR For: Approval  
 28.310 v18.0.0 CR-0024 Cat: A (Rel-18)  
  
 Source: Huawei*

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

**S5-232055 Correct measurement used for eMBB and URLLC EE KPIs**

*Type: CR For: Approval  
 28.310 v17.4.0 CR-0025 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232056 Correct measurement used for eMBB and URLLC EE KPIs**

*Type: CR For: Approval  
 28.310 v18.0.0 CR-0026 Cat: A (Rel-18)  
  
 Source: Huawei*

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

**S5-232057 Correct error in definition of ‘Average e2e uplink delay for a network slice’**

*Type: CR For: Approval  
 28.554 v17.8.0 CR-0106 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232058 Correct error in definition of ‘Average e2e uplink delay for a network slice’**

*Type: CR For: Approval  
 28.554 v18.0.0 CR-0107 Cat: A (Rel-18)  
  
 Source: Huawei*

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

**S5-232059 Correct error in estimated VNFC energy consumption**

*Type: CR For: Approval  
 28.554 v17.8.0 CR-0108 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232060 Correct error in estimated VNFC energy consumption**

*Type: CR For: Approval  
 28.554 v18.0.0 CR-0109 Cat: A (Rel-18)  
  
 Source: Huawei*

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

#### 6.3.6 Intent driven management

**S5-232181 Update procedures for delete an intent and query an intent**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0015 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-233074**.

**S5-233074 Update procedures for delete an intent and query an intent**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0015 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-232181)

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

**S5-232182 Udpate Annex C Mapping the 3GPP and the TM Forum intentExpectation Models**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0016 Cat: F (Rel-17)  
  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-233075**.

**S5-233075 Udpate Annex C Mapping the 3GPP and the TM Forum intentExpectation Models**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0016 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-232182)

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

**S5-232183 Update clause 4.2.2 Intent driven MnS**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0017 Cat: F (Rel-17)  
  
 Source: Huawei,Deutsche Telekom*

**Decision:** The document was **revised to S5-233076**.

**S5-233076 Update clause 4.2.2 Intent driven MnS**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0017 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei,Deutsche Telekom*

(Replaces S5-232183)

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

**S5-232245 Add clarification on cluase 4.5 General concept of Intent Content**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0019 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-233077**.

**S5-233077 Add clarification on cluase 4.5 General concept of Intent Content**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0019 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-232245)

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

**S5-232246 Update clause 6.2.2.1.2.4 ExpectationContexts**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0020 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232247 Correct the value of the defaultValue in Table 6.2.2.2-1**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0021 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232287 Correct Context date type definition**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0022 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-233078**.

**S5-233078 Correct Context date type definition**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0022 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-232287)

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

**S5-232288 Change targetAttribute to targetName**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0023 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232289 Update the figure 6.2.1.1.1-1:Relationship UML diagram for intent**

*Type: CR For: Agreement  
 28.312 v17.2.0 CR-0024 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232518 Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions**

*Type: CR For: Approval  
 28.312 v17.2.0 CR-0026 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232565**.

**S5-232558 Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions**

*Type: CR For: Approval  
 28.312 v17.2.0 CR-0026 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232565 Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions Title**

*Type: CR For: Approval  
 28.312 v17.2.0 CR-0026 rev 2 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232518)

**Decision:** The document was **revised to S5-233079**.

**S5-233079 Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions Title**

*Type: CR For: Approval  
 28.312 v17.2.0 CR-0026 rev 3 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232565)

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

#### 6.3.7 SON

**S5-232274 Rel-17 CR TS 28.313 Align the attribute name of SON case with TS 28.541**

*Type: CR For: Approval  
 28.313 v17.7.0 CR-0054 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-232275 Rel-16 CR TS 28.313 Align the attribute name of SON case with TS 28.541**

*Type: CR For: Approval  
 28.313 v16.3.0 CR-0055 Cat: F (Rel-16)  
  
 Source: Huawei*

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

#### 6.3.8 QMC

#### 6.3.9 Network slicing management

**S5-232062 DP on TS 28.541 NSI-NSSI state diagrams**

*Type: discussion For: Endorsement  
 Source: Huawei*

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

**S5-232107 Discussion paper on Add missing SLS attributes supported in serviceProfile to sliceProfile**

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

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

**S5-232108 Add missing SLS attributes supported in serviceProfile to sliceProfile**

*Type: CR For: Approval  
 28.541 v17.9.0 CR-0852 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI*

**Decision:** The document was **revised to S5-233080**.

**S5-233080 Add missing SLS attributes supported in serviceProfile to sliceProfile**

*Type: CR For: Approval  
 28.541 v17.9.0 CR-0852 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, Huawei*

(Replaces S5-232108)

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

**S5-232109 Add missing SLS attributes supported in serviceProfile to sliceProfile**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0853 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI*

**Decision:** The document was **revised to S5-233081**.

**S5-233081 Add missing SLS attributes supported in serviceProfile to sliceProfile**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0853 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, Huawei*

(Replaces S5-232109)

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

**S5-232110 Fix missing reference to mid-haul interface for EP Transport**

*Type: CR For: Approval  
 28.541 v17.9.0 CR-0854 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232111 Fix missing reference to mid-haul interface for EP Transport**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0855 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232112 Fix duplicated SST attribute in RANSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v17.9.0 CR-0856 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232113 Fix duplicated SST attribute in RANSliceSubnetProfile**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0857 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232139 Removal of redundant network slice modification use case**

*Type: CR For: Approval  
 28.531 v17.6.0 CR-0164 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232175 Correct issues for feasibility check and resource reservation NRM fragment**

*Type: CR For: Agreement  
 28.541 v17.9.0 CR-0873 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-233084**.

**S5-233084 Correct issues for feasibility check and resource reservation NRM fragment**

*Type: CR For: Agreement  
 28.541 v17.9.0 CR-0873 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-232175)

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

**S5-232176 Correct issues for feasibility check and resource reservation NRM fragment**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0874 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-233085**.

**S5-233085 Correct issues for feasibility check and resource reservation NRM fragment**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0874 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-232176)

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

**S5-232358 Rel-17 CR 28.541 Clarify use of V2X in service profile**

*Type: CR For: Approval  
 28.541 v17.9.0 CR-0886 Cat: F (Rel-17)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-232363 Rel-18 CR 28.541 Clarify use of V2X in service profile**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0887 Cat: A (Rel-18)  
  
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-232373 Clarify network slicing provisioning use case**

*Type: CR For: Approval  
 28.531 v15.11.0 CR-0167 Cat: F (Rel-15)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233086**.

**S5-233086 Clarify network slicing provisioning use case**

*Type: CR For: Approval  
 28.531 v15.11.0 CR-0167 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson*

(Replaces S5-232373)

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

**S5-232374 Clarify network slicing provisioning use case**

*Type: CR For: Approval  
 28.531 v16.14.1 CR-0168 Cat: A (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233087**.

**S5-233087 Clarify network slicing provisioning use case**

*Type: CR For: Approval  
 28.531 v16.14.1 CR-0168 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-232374)

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

**S5-232375 Clarify network slicing provisioning use case**

*Type: CR For: Approval  
 28.531 v17.6.0 CR-0169 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233088**.

**S5-233088 Clarify network slicing provisioning use case**

*Type: CR For: Approval  
 28.531 v17.6.0 CR-0169 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-232375)

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

**S5-232377 Clarify network slicing provisioning use case**

*Type: CR For: Approval  
 28.531 v18.1.0 CR-0170 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233089**.

**S5-233089 Clarify network slicing provisioning use case**

*Type: CR For: Approval  
 28.531 v18.1.0 CR-0170 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson*

(Replaces S5-232377)

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

**S5-232381 Rel-16 CR 28.530 Correct network slice abbrevations**

*Type: CR For: Approval  
 28.530 v16.5.0 CR-0055 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-233090**.

**S5-233090 Rel-16 CR 28.530 Correct network slice abbrevations**

*Type: CR For: Approval  
 28.530 v16.5.0 CR-0055 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-232381)

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

**S5-232383 Rel-17 CR 28.530 Correct network slice abbrevations**

*Type: CR For: Approval  
 28.530 v17.3.0 CR-0056 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-233091**.

**S5-233091 Rel-17 CR 28.530 Correct network slice abbrevations**

*Type: CR For: Approval  
 28.530 v17.3.0 CR-0056 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-232383)

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

**S5-232442 Rel-17 CR 28.531 OpenAPI SS for 28.531**

*Type: CR For: Agreement  
 28.531 v17.6.0 CR-0171 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute UK*

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

**S5-232443 Rel-18 CR 28.531 OpenAPI SS for 28.531**

*Type: CR For: Agreement  
 28.531 v18.1.0 CR-0172 Cat: A (Rel-18)  
  
 Source: Samsung R&D Institute UK*

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

**S5-232717 DP on relationship between NEST, URSP and ServiceProfile**

*Type: discussion For: Approval  
 28.541 v..  
 Source: TELEFONICA S.A.*

**Decision:** The document was **revised to S5-233092**.

**S5-233092 DP on relationship between NEST, URSP and ServiceProfile**

*Type: discussion For: Endorsement  
 28.541 v..  
 Source: TELEFONICA S.A.*

(Replaces S5-232717)

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

#### 6.3.10 MEC management

#### 6.3.11 General NRM

**S5-232129 TS28.623 Rel-16 Fix IpAddr stage 3 definition**

*Type: CR For: Approval  
 28.623 v16.13.0 CR-0221 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233093**.

**S5-233093 TS28.623 Rel-16 Fix IpAddr stage 3 definition**

*Type: CR For: Approval  
 28.623 v16.13.0 CR-0221 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232129)

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

**S5-232130 TS28.623 Rel-17 Fix IpAddr stage 3 definition**

*Type: CR For: Approval  
 28.623 v17.4.2 CR-0222 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232461**.

**S5-232131 TS28.623 Rel-18 Fix IpAddr stage 3 definition**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0223 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233095**.

**S5-233095 TS28.623 Rel-18 Fix IpAddr stage 3 definition**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0223 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232131)

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

**S5-232132 TS28.622 Rel-17 Fix diagram issue in MnS Registry NRM fragment**

*Type: CR For: Approval  
 28.622 v17.4.1 CR-0208 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232133 TS28.622 Rel-18 Fix diagram issue in MnS Registry NRM fragment**

*Type: CR For: Approval  
 28.622 v18.1.0 CR-0209 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232177 Correct issues for generic NRM Fragment**

*Type: CR For: Agreement  
 28.622 v17.4.1 CR-0219 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-233096**.

**S5-233096 Correct issues for generic NRM Fragment**

*Type: CR For: Agreement  
 28.622 v17.4.1 CR-0219 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei,Nokia*

(Replaces S5-232177)

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

**S5-232178 Correct issues for generic NRM Fragment**

*Type: CR For: Agreement  
 28.622 v18.1.0 CR-0220 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-233097**.

**S5-233097 Correct issues for generic NRM Fragment**

*Type: CR For: Agreement  
 28.622 v18.1.0 CR-0220 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei,Nokia*

(Replaces S5-232178)

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

**S5-232189 Correction of RFC reference**

*Type: CR For: Agreement  
 32.160 v17.6.0 CR-0033 Cat: F (Rel-17)  
  
 Source: Ericsson*

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

**S5-232190 Correction of RFC reference**

*Type: CR For: Agreement  
 32.160 v18.0.0 CR-0034 Cat: A (Rel-18)  
  
 Source: Ericsson*

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

**S5-232191 Rel-15 CR TS 28.541 Clarify mount information**

*Type: CR For: Agreement  
 28.541 v15.9.0 CR-0878 Cat: F (Rel-15)  
  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-233098**.

**S5-233098 Rel-15 CR TS 28.541 Clarify mount information**

*Type: CR For: Agreement  
 28.541 v15.9.0 CR-0878 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-232191)

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

**S5-232192 Rel-16 CR TS 28.541 Clarify mount information**

*Type: CR For: Agreement  
 28.541 v16.14.1 CR-0879 Cat: A (Rel-16)  
  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-233099**.

**S5-233099 Rel-16 CR TS 28.541 Clarify mount information**

*Type: CR For: Agreement  
 28.541 v16.14.1 CR-0879 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-232192)

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

**S5-232193 Rel-17 CR TS 28.541 Clarify mount information**

*Type: CR For: Agreement  
 28.541 v17.9.0 CR-0880 Cat: A (Rel-17)  
  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-233100**.

**S5-233100 Rel-17 CR TS 28.541 Clarify mount information**

*Type: CR For: Agreement  
 28.541 v17.9.0 CR-0880 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-232193)

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

**S5-232194 Rel-18 CR TS 28.541 Clarify mount information**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0881 Cat: A (Rel-18)  
  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-233101**.

**S5-233101 Rel-18 CR TS 28.541 Clarify mount information**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0881 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson India Private Limited*

(Replaces S5-232194)

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

**S5-232196 Missing Mount information**

*Type: CR For: Agreement  
 28.623 v15.6.0 CR-0227 Cat: F (Rel-15)  
  
 Source: Ericsson*

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

**S5-232197 Missing Mount information**

*Type: CR For: Agreement  
 28.623 v16.13.0 CR-0228 Cat: A (Rel-16)  
  
 Source: Ericsson*

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

**S5-232198 Missing Mount information**

*Type: CR For: Agreement  
 28.623 v17.4.2 CR-0229 Cat: A (Rel-17)  
  
 Source: Ericsson*

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

**S5-232199 Missing Mount information**

*Type: CR For: Agreement  
 28.623 v18.1.1 CR-0230 Cat: A (Rel-18)  
  
 Source: Ericsson*

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

**S5-232237 TS28.312 Rel-17 update stage 3 definition PlmnId**

*Type: CR For: Approval  
 28.312 v17.2.0 CR-0018 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232463**.

**S5-232238 TS28.538 Rel-17 update stage 3 definition PlmnId**

*Type: CR For: Approval  
 28.538 v17.1.0 CR-0028 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232239 TS28.538 Rel-18 update stage 3 definition PlmnId**

*Type: CR For: Approval  
 28.538 v18.1.0 CR-0029 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232265 R17 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT**

*Type: CR For: Agreement  
 28.541 v17.9.0 CR-0883 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd., Huawei*

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

**S5-233102 R17 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT**

*Type: CR For: Agreement  
 28.541 v17.9.0 CR-0883 rev 1 Cat: F (Rel-17)  
  
 Source: China Telecom Corporation Ltd., Huawei*

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

**S5-232266 R18 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0884 Cat: A (Rel-18)  
  
 Source: China Telecom Corporation Ltd.*

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

**S5-233103 R18 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0884 rev 1 Cat: A (Rel-18)  
  
 Source: China Telecom Corporation Ltd.*

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

**S5-232386 Rel-17 CR 28.622 Remove unused create link subscription attribute definition.**

*Type: CR For: Approval  
 28.622 v17.4.1 CR-0226 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-233104**.

**S5-233104 Rel-17 CR 28.622 Remove unused create link subscription attribute definition.**

*Type: CR For: Approval  
 28.622 v17.4.1 CR-0226 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-232386)

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

**S5-232387 Rel-18 CR 28.622 Remove unused create link subscription attribute definition.**

*Type: CR For: Approval  
 28.622 v18.1.0 CR-0227 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-233105**.

**S5-233105 Rel-18 CR 28.622 Remove unused create link subscription attribute definition.**

*Type: CR For: Approval  
 28.622 v18.1.0 CR-0227 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-232387)

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

**S5-232405 TS28.312 Rel-17 update stage 3 definition PlmnId**

*Type: CR For: Approval  
 28.312 v17.2.0 CR-0025 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232445 Rel-17 CR 28.541 fixing coverageArea**

*Type: CR For: Agreement  
 28.541 v17.9.0 CR-0889 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-233106**.

**S5-233106 Rel-17 CR 28.541 fixing coverageArea**

*Type: CR For: Agreement  
 28.541 v17.9.0 CR-0889 rev 1 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-232445)

**Decision:** The document was **revised to S5-233149**.

**S5-233149 Rel-17 CR 28.541 fixing coverageArea**

*Type: CR For: Agreement  
 28.541 v17.9.0 CR-0889 rev 2 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-233106)

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

**S5-232447 Rel-18 CR 28.541 fixing coverageArea**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0890 Cat: A (Rel-18)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-233107**.

**S5-233107 Rel-18 CR 28.541 fixing coverageArea**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0890 rev 1 Cat: A (Rel-18)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-232447)

**Decision:** The document was **revised to S5-233150**.

**S5-233150 Rel-18 CR 28.541 fixing coverageArea**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0890 rev 2 Cat: A (Rel-18)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-233107)

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

**S5-232461 TS28.623 Rel-17 Fix IpAddr stage 3 definition**

*Type: CR For: Approval  
 28.623 v17.4.2 CR-0222 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232130)

**Decision:** The document was **revised to S5-233094**.

**S5-233094 TS28.623 Rel-17 Fix IpAddr stage 3 definition**

*Type: CR For: Approval  
 28.623 v17.4.2 CR-0222 rev 2 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232461)

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

**S5-232463 TS28.312 Rel-17 update stage 3 definition PlmnId**

*Type: CR For: Approval  
 28.312 v17.2.0 CR-0018 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232237)

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

**S5-232719 YANG Corrections**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0891 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

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

#### 6.3.12 PM/KPI

**S5-232070 Modify the counter name for Total error number of DL/UL TBs**

*Type: CR For: (not specified)  
 28.552 v18.1.0 CR-0396 Cat: F (Rel-18)  
  
 Source: RadiSys*

**Abstract:**

Modify the counter names for "Total error number of DL/UL TBs" to align with other specified counters in specification

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

**S5-232074 Modify the criteria for incrementing counters of Intra-GNB Handover Preparation**

*Type: CR For: Approval  
 28.552 v18.1.0 CR-0397 Cat: F (Rel-18)  
  
 Source: RadiSys*

**Abstract:**

Handover preparation in the case of Inter-gNB-DU flavor of Intra-gNB-CU handover occurs by triggering UE CONTEXT SETUP procedure. In current specification Intra-GNB Handover Preparation counter gets pegged only when UE Context Modification procedure is tr

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

**S5-232388 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype.**

*Type: CR For: Approval  
 28.622 v16.14.0 CR-0228 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233109**.

**S5-233109 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype.**

*Type: CR For: Approval  
 28.622 v16.14.0 CR-0228 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-232388)

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

**S5-232389 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype.**

*Type: CR For: Approval  
 28.622 v17.4.1 CR-0229 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233110**.

**S5-233110 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype.**

*Type: CR For: Approval  
 28.622 v17.4.1 CR-0229 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-232389)

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

**S5-232390 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype.**

*Type: CR For: Approval  
 28.622 v18.1.0 CR-0230 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233111**.

**S5-233111 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype.**

*Type: CR For: Approval  
 28.622 v18.1.0 CR-0230 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson*

(Replaces S5-232390)

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

**S5-232392 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3)**

*Type: CR For: Approval  
 28.623 v16.13.0 CR-0238 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233112**.

**S5-233112 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3)**

*Type: CR For: Approval  
 28.623 v16.13.0 CR-0238 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson*

(Replaces S5-232392)

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

**S5-232393 Rel-17 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3)**

*Type: CR For: Approval  
 28.623 v17.4.2 CR-0239 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-233113**.

**S5-233113 Rel-17 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3)**

*Type: CR For: Approval  
 28.623 v17.4.2 CR-0239 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-232393)

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

**S5-232394 Rel-18 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3)**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0240 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-233114**.

**S5-233114 Rel-18 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3)**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0240 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-232394)

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

**S5-232436 Rel18 CR for TS28.552 editorial correction**

*Type: CR For: Approval  
 28.552 v18.1.0 CR-0404 Cat: D (Rel-18)  
  
 Source: NTT DOCOMO INC.*

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

**S5-232568 Correction of integrity KPIs**

*Type: CR For: Agreement  
 28.554 v15.5.0 CR-0111 Cat: F (Rel-15)  
  
 Source: Ericsson LM*

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

**S5-232569 Correction of integrity KPIs**

*Type: CR For: Agreement  
 28.554 v16.11.0 CR-0112 Cat: A (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-232570 Correction of integrity KPIs**

*Type: CR For: Agreement  
 28.554 v17.8.0 CR-0113 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-232571 Correction of integrity KPIs**

*Type: CR For: Agreement  
 28.554 v18.0.0 CR-0114 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

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

**S5-232632 Rel-17 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover**

*Type: CR For: Approval  
 28.552 v17.9.0 CR-0405 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-233115**.

**S5-233115 Rel-17 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover**

*Type: CR For: Approval  
 28.552 v17.9.0 CR-0405 rev 1 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

(Replaces S5-232632)

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

**S5-232634 Rel-18 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover**

*Type: CR For: Approval  
 28.552 v18.1.0 CR-0406 Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S5-233116**.

**S5-233116 Rel-18 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover**

*Type: CR For: Approval  
 28.552 v18.1.0 CR-0406 rev 1 Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

(Replaces S5-232634)

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

**S5-232635 Rel-18 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions**

*Type: CR For: Approval  
 28.552 v18.1.0 CR-0407 Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

**S5-232636 Rel-18 CR for TS28.552 Correct Mean and Max Time of requested legacy handover executions**

*Type: CR For: Approval  
 28.552 v18.1.0 CR-0408 Cat: A (Rel-18)  
  
 Source: ZTE Corporation*

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

**S5-232639 Rel-18 CR for TS28.552 editorial Corrections**

*Type: CR For: Approval  
 28.552 v18.1.0 CR-0409 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

#### 6.3.13 Trace/MDT

**S5-232136 Correcting traceRecordingSessionReference property**

*Type: CR For: Approval  
 28.622 v16.14.0 CR-0210 Cat: F (Rel-16)  
  
 Source: Ericsson Limited*

**Decision:** The document was **revised to S5-233134**.

**S5-233134 Correcting traceRecordingSessionReference property**

*Type: CR For: Approval  
 28.622 v16.14.0 CR-0210 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Limited*

(Replaces S5-232136)

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

**S5-232137 Correcting traceRecordingSessionReference property. Aligning with 32.422.**

*Type: CR For: Approval  
 28.622 v17.4.1 CR-0211 Cat: A (Rel-17)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233135**.

**S5-233135 Correcting traceRecordingSessionReference property. Aligning with 32.422.**

*Type: CR For: Approval  
 28.622 v17.4.1 CR-0211 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson*

(Replaces S5-232137)

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

**S5-232138 Correcting traceRecordingSessionReference property. Aligning with 32.422.**

*Type: CR For: Approval  
 28.622 v18.1.0 CR-0212 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233136**.

**S5-233136 Correcting traceRecordingSessionReference property. Aligning with 32.422.**

*Type: CR For: Approval  
 28.622 v18.1.0 CR-0212 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson*

(Replaces S5-232138)

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

**S5-232160 Rel-16 CR TS 28.622 Correcting attribute constraints for Trace Job**

*Type: CR For: Approval  
 28.622 v16.14.0 CR-0213 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232165 Rel-17 CR TS 28.622 Correcting attribute constraints for Trace Job**

*Type: CR For: Approval  
 28.622 v17.4.1 CR-0215 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232166 Rel-17 CR TS 28.622 Correcting the attribute properties for Excess packet delay threshold attribute**

*Type: CR For: Approval  
 28.622 v17.4.1 CR-0216 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232168 Rel-17 CR TS 28.623 Correcting the min and max Items possible for fiveQIValue attribute in Stage 3**

*Type: CR For: Approval  
 28.623 v17.4.2 CR-0225 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232169 Rel17 CR 32.422 Correcting the definition for Excess packet delay threshold**

*Type: CR For: Approval  
 32.422 v17.9.0 CR-0407 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232173 Rel-18 CR TS 28.622 Correcting attribute constraints for Trace Job**

*Type: CR For: Approval  
 28.622 v18.1.0 CR-0218 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232212 Rel-16 CR 28.623 Correcting traceRecordingSessionReference property (stage3)**

*Type: CR For: Approval  
 28.623 v16.13.0 CR-0231 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-233139**.

**S5-233139 Rel-16 CR 28.623 Correcting traceRecordingSessionReference property (stage3)**

*Type: CR For: Approval  
 28.623 v16.13.0 CR-0231 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-232212)

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

**S5-232213 Rel-17 CR 28.623 Correcting traceRecordingSessionReference property (stage3)**

*Type: CR For: Approval  
 28.623 v17.4.2 CR-0232 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-233140**.

**S5-233140 Rel-17 CR 28.623 Correcting traceRecordingSessionReference property (stage3)**

*Type: CR For: Approval  
 28.623 v17.4.2 CR-0232 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-232213)

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

**S5-232214 Rel-18 CR 28.623 Correcting traceRecordingSessionReference property (stage3)**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0233 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-233141**.

**S5-233141 Rel-18 CR 28.623 Correcting traceRecordingSessionReference property (stage3)**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0233 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-232214)

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

**S5-232312 Rel-17 CR TS 32.422 Correcting the attribute properties for Excess packet delay threshold attribute**

*Type: CR For: Approval  
 32.422 v17.9.0 CR-0408 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232313 Rel-17 CR TS 28.622 Correcting the attribute properties for Excess packet delay threshold attribute**

*Type: CR For: Approval  
 28.622 v17.4.1 CR-0225 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232376 Correct Trace IOC attribute names (stage3, yang)**

*Type: CR For: Approval  
 28.623 v16.13.0 CR-0235 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-232378 Rel-17 CR 28.623 Correct Trace IOC attribute names (stage3, yang)**

*Type: CR For: Approval  
 28.623 v17.4.2 CR-0236 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-232379 Rel-18 CR 28.623 Correct Trace IOC attribute names (stage3, yang)**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0237 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

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

**S5-232384 Rel-16 CR 32.422 Clarify behaviour when cell list is undefined**

*Type: CR For: Approval  
 32.422 v16.11.0 CR-0409 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-233117**.

**S5-233117 Rel-16 CR 32.422 Clarify behaviour when cell list is undefined**

*Type: CR For: Approval  
 32.422 v16.11.0 CR-0409 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

(Replaces S5-232384)

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

**S5-232385 Rel-17 CR 32.422 Clarify behaviour when cell list is undefined**

*Type: CR For: Approval  
 32.422 v17.9.0 CR-0410 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-233118**.

**S5-233118 Rel-17 CR 32.422 Clarify behaviour when cell list is undefined**

*Type: CR For: Approval  
 32.422 v17.9.0 CR-0410 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-232385)

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

**S5-232398 Rel-16 CR 32.423 Align trace record formats for different reporting methods**

*Type: CR For: Approval  
 32.423 v16.8.0 CR-0140 Cat: F (Rel-16)  
  
 Source: Ericsson LM*

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

**S5-232399 Rel-17 CR 32.423 Align trace record formats for different reporting methods**

*Type: CR For: Approval  
 32.423 v17.6.0 CR-0141 Cat: A (Rel-17)  
  
 Source: Ericsson LM*

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

#### 6.3.14 Other

**S5-232123 TS28.541 Rel-16 remove redundant stage 3 definition for Mnc and PlmnId**

*Type: CR For: Approval  
 28.541 v16.14.1 CR-0865 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232124 TS28.541 Rel-17 remove redundant stage 3 definition for Mnc and PlmnId**

*Type: CR For: Approval  
 28.541 v17.9.0 CR-0866 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232125 TS28.541 Rel-18 remove redundant stage 3 definition for Mnc and PlmnId**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0867 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232457**.

**S5-232126 TS28.541 Rel-16 Fix IpAddr definition and references**

*Type: CR For: Approval  
 28.541 v16.14.1 CR-0868 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232127 TS28.541 Rel-17 Fix IpAddr definition and references**

*Type: CR For: Approval  
 28.541 v17.9.0 CR-0869 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232460**.

**S5-232128 Fix IpAddr definition and references**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0870 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233119**.

**S5-233119 Fix IpAddr definition and references**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0870 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232128)

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

**S5-232179 Add missing supporting management capabilities for several control NRM Fragments**

*Type: CR For: Agreement  
 28.622 v17.4.1 CR-0221 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232180 Add missing supporting management capabilities for several control NRM Fragments**

*Type: CR For: Agreement  
 28.622 v18.1.0 CR-0222 Cat: A (Rel-18)  
  
 Source: Huawei*

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

**S5-232184 Rel-17 CR TS 28.537 Correct the description and requirements for producing and reporting management data (6.3.14)**

*Type: CR For: Agreement  
 28.537 v17.3.0 CR-0011 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-233120**.

**S5-233120 Rel-17 CR TS 28.537 Correct the description and requirements for producing and reporting management data (6.3.14)**

*Type: CR For: Agreement  
 28.537 v17.3.0 CR-0011 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-232184)

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

**S5-232319 Rel-16 CR 32.158 Clarify URI concept**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0078 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233121**.

**S5-233121 Rel-16 CR 32.158 Clarify URI concept**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0078 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232319)

**Decision:** The document was **revised to S5-233175**.

**S5-233175 Rel-16 CR 32.158 Clarify URI concept**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0078 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-233121)

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

**S5-232320 Rel-17 CR 32.158 Clarify URI concept**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0079 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233122**.

**S5-233122 Rel-17 CR 32.158 Clarify URI concept**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0079 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232320)

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

**S5-232321 Rel-16 CR 32.158 Correct media type of 3GPP JSON Patch and 3GPP JSON Merge Patch**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0080 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232322 Rel-17 CR 32.158 Correct media type of 3GPP JSON Patch and 3GPP JSON Merge Patch**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0081 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232324 Rel-16 CR 32.158 Align and clarify definitions for the “Accept” header**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0082 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232325 Rel-17 CR 32.158 Align and clarify definitions for the “Accept” header**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0083 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232326 Rel-16 CR 32.158 Clarify an object must exist when adding members with JSON Patch**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0084 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233123**.

**S5-233123 Rel-16 CR 32.158 Clarify an object must exist when adding members with JSON Patch**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0084 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232326)

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

**S5-232327 Rel-17 CR 32.158 Clarify an object must exist when adding members with JSON Patch**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0085 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233124**.

**S5-233124 Rel-17 CR 32.158 Clarify an object must exist when adding members with JSON Patch**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0085 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232327)

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

**S5-232328 Rel-16 CR 32.158 Correct objectInstance values in examples**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0086 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232329 Rel-17 CR 32.158 Correct objectInstance values in examples**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0087 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shnaghai Bell*

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

**S5-232330 Rel-16 CR 32.158 Remove HTTP GET response examples not used in TS 28.532**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0088 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232331 Rel-17 CR 32.158 Remove HTTP GET response examples not used in TS 28.532**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0089 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232332 Rel-16 CR 32.158 Add missing JSON schema fragment for the JSON Patch document**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0090 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232333 Rel-17 CR 32.158 Add missing JSON schema fragment for the JSON Patch document**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0091 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232334 Rel-16 CR 32.158 Correct format of MnS versions in examples**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0092 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232335 Rel-17 CR 32.158 Correct format of MnS versions in examples**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0093 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232336 Rel-16 CR 32.158 Correct attribute value null**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0094 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232337 Rel-17 CR 32.158 Correct attribute value null**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0095 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232338 Rel-16 CR 32.158 Clarify the JSON Merge Patch document is a partial resource representation**

*Type: CR For: Approval  
 32.158 v16.8.0 CR-0096 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232339 Rel-17 CR 32.158 Clarify the JSON Merge Patch document is a partial resource representation**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0097 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232340 Rel-16 CR 28.532 Align media type names with TS 32.158**

*Type: CR For: Approval  
 28.532 v16.13.0 CR-0240 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232341 Rel-17 CR 28.532 Align media type names with TS 32.158**

*Type: CR For: Approval  
 28.532 v17.3.0 CR-0241 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232342 Rel-16 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges**

*Type: CR For: Approval  
 28.532 v16.13.0 CR-0242 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232954**.

**S5-232954 Rel-16 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges**

*Type: CR For: Approval  
 28.532 v16.13.0 CR-0242 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232342)

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

**S5-232343 Rel-17 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges**

*Type: CR For: Approval  
 28.532 v17.3.0 CR-0243 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232955**.

**S5-232955 Rel-17 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges**

*Type: CR For: Approval  
 28.532 v17.3.0 CR-0243 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232343)

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

**S5-232344 Rel-17 CR 28.532 Clarify definitions related to attributes**

*Type: CR For: Approval  
 28.532 v17.3.0 CR-0244 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233125**.

**S5-233125 Rel-17 CR 28.532 Clarify definitions related to attributes**

*Type: CR For: Approval  
 28.532 v17.3.0 CR-0244 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232344)

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

**S5-232450 Rel-17 CR 28.536 adding missing assuranceScope in AssuranceGoal**

*Type: CR For: Agreement  
 28.536 v17.4.1 CR-0057 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute UK*

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

**S5-232457 remove redundant stage 3 definition for Mnc and PlmnId**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0867 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232125)

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

**S5-232460 TS28.541 Rel-17 Fix IpAddr definition and references**

*Type: CR For: Approval  
 28.541 v17.9.0 CR-0869 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232127)

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

**S5-232464 Correct the Management Data Analytics Capability Description**

*Type: CR For: Agreement  
 28.533 v17.2.0 CR-0102 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-232985**.

**S5-232985 Correct the Management Data Analytics Capability Description**

*Type: CR For: Agreement  
 28.533 v17.2.0 CR-0102 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-232464)

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

**S5-232465 Correct the Management Data Analytics Capability Description**

*Type: CR For: Agreement  
 28.533 v16.8.0 CR-0103 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-232986**.

**S5-232986 Correct the Management Data Analytics Capability Description**

*Type: CR For: Agreement  
 28.533 v16.8.0 CR-0103 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-232465)

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

**S5-232466 Correct the Management Data Analytics Capability Description**

*Type: CR For: Agreement  
 28.533 v15.6.0 CR-0104 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-232987**.

**S5-232987 Correct the Management Data Analytics Capability Description**

*Type: CR For: Agreement  
 28.533 v15.6.0 CR-0104 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-232466)

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

**S5-232467 Updates for generic management services**

*Type: CR For: Agreement  
 28.532 v17.3.0 CR-0245 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-232468 Updates for generic management services**

*Type: CR For: Agreement  
 28.532 v16.13.0 CR-0246 Cat: A (Rel-16)  
  
 Source: Huawei*

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

**S5-232469 Updates for generic management services**

*Type: CR For: Agreement  
 28.532 v15.7.0 CR-0247 Cat: F (Rel-15)  
  
 Source: Huawei*

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

**S5-232512 Rel-17 CR 32.158 Correct attribute value null**

*Type: CR For: Approval  
 32.158 v17.3.0 CR-0098 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232547 Update lifecycle phase description of closed control loop**

*Type: CR For: Agreement  
 28.535 v17.5.0 CR-0067 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232548 Update coordination between closed control loops**

*Type: CR For: Agreement  
 28.535 v17.5.0 CR-0068 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232679 Rel-17 CR for TS28.535 delete redundant monitoring content of the management system**

*Type: CR For: Approval  
 28.535 v17.5.0 CR-0069 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S5-232680 Rel-17 CR for TS32.130 correct the wrong figure number**

*Type: CR For: Approval  
 32.130 v17.5.0 CR-0023 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S5-232681 Rel-17 CR for TS28.557 Correct wrong abbreviation for Data Centre Service Provider**

*Type: CR For: Approval  
 28.557 v17.0.0 CR-0001 Cat: F (Rel-17)  
  
 Source: ZTE Corporation*

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

**S5-232684 Correct YANG for ReportingCtrl**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0241 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-232697 Correction of reference list**

*Type: CR For: Agreement  
 28.622 v16.14.0 CR-0231 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-232698 Correction of reference list**

*Type: CR For: Agreement  
 28.622 v17.4.1 CR-0232 Cat: A (Rel-17)  
  
 Source: Ericsson*

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

**S5-232699 Correction of reference list**

*Type: CR For: Agreement  
 28.622 v18.1.0 CR-0233 Cat: A (Rel-18)  
  
 Source: Ericsson*

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

**S5-232702 Rel-11 CR TS 28.622 Correction of attribute dnPrefix**

*Type: CR For: Agreement  
 28.622 v11.4.0 CR-0234 Cat: F (Rel-11)  
  
 Source: Ericsson India Private Limited*

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

**S5-232703 Correction of attribute dnPrefix**

*Type: CR For: Agreement  
 28.622 v12.3.0 CR-0235 Cat: A (Rel-12)  
  
 Source: Ericsson*

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

**S5-232704 Correction of attribute dnPrefix**

*Type: CR For: Agreement  
 28.622 v13.2.0 CR-0236 Cat: A (Rel-13)  
  
 Source: Ericsson*

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

**S5-232705 Correction of attribute dnPrefix**

*Type: CR For: Agreement  
 28.622 v14.2.0 CR-0237 Cat: A (Rel-14)  
  
 Source: Ericsson*

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

**S5-232706 Correction of attribute dnPrefix**

*Type: CR For: Agreement  
 28.622 v15.6.0 CR-0238 Cat: A (Rel-15)  
  
 Source: Ericsson*

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

**S5-232708 Correction of attribute dnPrefix**

*Type: CR For: Agreement  
 28.622 v16.14.0 CR-0239 Cat: A (Rel-16)  
  
 Source: Ericsson*

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

**S5-232709 Correction of attribute dnPrefix**

*Type: CR For: Agreement  
 28.622 v17.4.1 CR-0240 Cat: A (Rel-17)  
  
 Source: Ericsson*

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

**S5-232710 Correction of attribute dnPrefix**

*Type: CR For: Agreement  
 28.622 v18.1.0 CR-0241 Cat: A (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-233132**.

**S5-233132 Correction of attribute dnPrefix**

*Type: CR For: Agreement  
 28.622 v18.1.0 CR-0241 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson*

(Replaces S5-232710)

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

**S5-232713 Correction of attribute availableRANqoEMetrics properties**

*Type: CR For: Agreement  
 28.622 v18.1.0 CR-0242 Cat: F (Rel-18)  
  
 Source: Ericsson*

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

### 6.4 Intelligence and Automation

#### 6.4.1 Self-Configuration of RAN NEs

##### 6.4.1.1 RANSC\_WoP#1

**S5-232144 pCR TS 28.317 Add concept, use case and requirements for network configuration data handling**

*Type: pCR For: Approval  
 28.317 v0.2.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **revised to S5-232905**.

**S5-232905 pCR TS 28.317 Add concept, use case and requirements for network configuration data handling**

*Type: pCR For: Approval  
 28.317 v0.2.0  
 Source: China Mobile, Huawei*

(Replaces S5-232144)

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

**S5-232145 pCR TS 28.317 Update the requirement format to follow the stage1 templated in TS 32.160**

*Type: pCR For: Approval  
 28.317 v0.2.0  
 Source: China Mobile, Huawei*

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

**S5-232906 Draft TS 28.317**

*Type: draft TS For: Approval  
 28.317 v0.3.0  
 Source: China Mobile*

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

##### 6.4.1.2 RANSC\_WoP#2

##### 6.4.1.3 RANSC\_WoP#3

#### 6.4.2 Management Data Analytics phase 2

##### 6.4.2.1 eMDAS\_Ph2\_WoP#1

**S5-232357 Input to Draft CR Rel-18 28.104 Add recommended actions for non-3GPP operations**

*Type: other For: Agreement  
 28.104 v..  
 Source: Intel, NEC*

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

**S5-232755 Input to Draft CR Rel-18 28.104 Add recommended actions for non-3GPP operations**

*Type: other For: Agreement  
 28.104 v..  
 Source: Intel, NEC*

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

**S5-233174 Draft CR eMDAS\_Ph2 – TS28.104; Further enhancements into the Management Data Analytics (Phase 2).**

*Type: draftCR For: Approval  
 28.104 v17.2.0  
 Source: NEC*

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

##### 6.4.2.2 eMDAS\_Ph2\_WoP#2

**S5-232148 Input to draft CR TS 28.104 Stage 2 and Stage 3 for Predictions use case**

*Type: draftCR For: Approval  
 28.104 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232149 Input to draft CR TS 28.104 Stage 2 and Stage 3 for Statistics use case**

*Type: draftCR For: Approval  
 28.104 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232982**.

**S5-232982 Input to draft CR TS 28.104 Stage 2 and Stage 3 for Statistics use case**

*Type: draftCR For: Approval  
 28.104 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232149)

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

**S5-232296 Input to draft CR 28.104 Improve description of prediction and statistics of management data**

*Type: other For: Approval  
 Source: Huawei*

**Decision:** The document was **revised to S5-232983**.

**S5-232983 Input to draft CR 28.104 Improve description of prediction and statistics of management data**

*Type: other For: Approval  
 Source: Huawei*

(Replaces S5-232296)

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

##### 6.4.2.3 eMDAS\_Ph2\_WoP#3

**S5-232291 Add coordination requirement and domain MDAF reporting**

*Type: CR For: Agreement  
 28.104 v17.2.0 CR-0035 Cat: B (Rel-18)  
  
 Source: Huawei*

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

**S5-232984 Input to draft CR Add coordination requirement and domain MDAF reporting**

*Type: other For: Agreement  
 28.104 v17.2.0  
 Source: Huawei*

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

**S5-232292 Improve definition of network slice traffic prediction**

*Type: CR For: Agreement  
 28.104 v17.2.0 CR-0036 Cat: C (Rel-18)  
  
 Source: Huawei*

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

**S5-232293 Improve requirements for network slice throughput analysis**

*Type: CR For: Agreement  
 28.104 v17.2.0 CR-0037 Cat: C (Rel-18)  
  
 Source: Huawei*

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

**S5-232989 Input to draft CR Improve requirements for network slice throughput analysis**

*Type: other For: Agreement  
 28.104 v17.2.0  
 Source: Huawei*

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

**S5-232294 Improve requirements for network slice traffic prediction**

*Type: CR For: Agreement  
 28.104 v17.2.0 CR-0038 Cat: C (Rel-18)  
  
 Source: Huawei*

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

**S5-232988 Input to draft CR Improve requirements for network slice traffic prediction**

*Type: other For: Agreement  
 28.104 v17.2.0  
 Source: Huawei*

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

**S5-232295 Add coodination requirement for user experience case**

*Type: CR For: Agreement  
 28.104 v17.2.0 CR-0039 Cat: B (Rel-18)  
  
 Source: Huawei*

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

**S5-232990 Input to draft CR Add coodination requirement for user experience case**

*Type: other For: Agreement  
 28.104 v17.2.0  
 Source: Huawei*

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

##### 6.4.2.4 eMDAS\_Ph2\_WoP#4

##### 6.4.2.5 eMDAS\_Ph2\_WoP#5

**S5-232449 Rel-18 CR 28.104 MDAS COSLA interworking**

*Type: CR For: Agreement  
 28.104 v17.2.0 CR-0043 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute UK*

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

**S5-232992 Rel-18 CR 28.104 MDAS COSLA interworking**

*Type: CR For: Agreement  
 28.104 v17.2.0 CR-0043 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute UK*

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

##### 6.4.2.6 eMDAS\_Ph2\_WoP#6

**S5-232396 Rel-18 CR 28.552 Revise the PNF Energy consumption measurement**

*Type: CR For: Approval  
 28.552 v18.1.0 CR-0402 Cat: B (Rel-18)  
  
 Source: Intel Belgium SA/NV*

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

**S5-232993 Rel-18 CR 28.552 Revise the PNF Energy consumption measurement**

*Type: CR For: Approval  
 28.552 v18.1.0 CR-0402 rev 1 Cat: B (Rel-18)  
  
 Source: Intel Belgium SA/NV*

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

**S5-232714 Input to draft CR Rel-18 28.104 Revise energy saving analysis use case**

*Type: other For: Approval  
 28.104 v..  
 Source: Intel Belgium SA/NV*

**Decision:** The document was **revised to S5-232994**.

**S5-232994 Input to draft CR Rel-18 28.104 Revise energy saving analysis use case**

*Type: other For: Approval  
 28.104 v..  
 Source: Intel Belgium SA/NV*

(Replaces S5-232714)

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

##### 6.4.2.7 eMDAS\_Ph2\_WoP#7

**S5-232355 Input to Draft CR Rel-18 28.104 Add MDA capability for resource utilization analysis**

*Type: other For: Agreement  
 28.104 v..  
 Source: Intel, NEC*

**Decision:** The document was **revised to S5-232995**.

**S5-232995 Input to Draft CR Rel-18 28.104 Add MDA capability for resource utilization analysis**

*Type: other For: Agreement  
 28.104 v..  
 Source: Intel, NEC*

(Replaces S5-232355)

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

### 6.5 Management Architecture and Mechanisms

#### 6.5.1 Network slicing provisioning rules

##### 6.5.1.1 NSRULE\_WoP#1

**S5-232354 Rel-18 CR 28.541 Add network slice selection information**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0885 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

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

**S5-233056 Rel-18 CR 28.541 Add network slice selection information**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0885 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

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

**S5-232415 Proposed way forward for NSRULE isolation topic**

*Type: discussion For: Endorsement  
 Source: Huawei, Telefónica*

**Decision:** The document was **revised to S5-233058**.

**S5-233058 Proposed way forward for NSRULE isolation topic**

*Type: discussion For: Endorsement  
 Source: Huawei, Telefónica*

(Replaces S5-232415)

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

**S5-232416 Revised Rel-18 WID on network slicing provisioning rules**

*Type: WID revised For: Approval  
 Source: Huawei*

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

##### 6.5.1.2 NSRULE\_WoP#2

**S5-232114 Add NRM for network slice isolation**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0858 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-233057 Add NRM for network slice isolation**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0858 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

#### 6.5.2 Additional NRM features phase 2

##### 6.5.2.1 AdNRM\_ph2\_WoP#1

**S5-232418 DP on TS structure proposal for generic NRM Fragment**

*Type: discussion For: Endorsement  
 Source: Huawei*

(Replaces S5-231015)

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

##### 6.5.2.2 AdNRM\_ph2\_WoP#2

##### 6.5.2.3 AdNRM\_ph2\_WoP#3

**S5-232086 Fix vague issues in EP\_Transport with Federated network modelling**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0818 rev 2 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS, Telefonica*

(Replaces S5-226755)

**Decision:** The document was **revised to S5-232907**.

**S5-232907 Fix vague issues in EP\_Transport with Federated network modelling**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0818 rev 3 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS, Telefonica,Huawei,Verizon*

(Replaces S5-232086)

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

**S5-232117 NRM enhancements for SMSFFunction**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0859 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232908**.

**S5-232908 NRM enhancements for SMSFFunction**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0859 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232117)

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

**S5-232118 NRM enhancements for NRFFunction**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0860 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232909**.

**S5-232909 NRM enhancements for NRFFunction**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0860 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232118)

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

**S5-232119 NRM enhancements for LMFFunction**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0861 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232910**.

**S5-232910 NRM enhancements for LMFFunction**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0861 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232119)

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

**S5-232134 TS28.541 Rel-17 ManagedNFProfile stage3 not consistent with Stage 2**

*Type: CR For: Approval  
 28.541 v17.9.0 CR-0871 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232135 TS28.541 Rel-18 ManagedNFProfile stage3 not consistent with Stage 2**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0872 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232185 Rel-18 CR TS 28.541 Add Enhanced QoS support in NRM (stage 3, YAML)**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0875 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-232911**.

**S5-232911 Rel-18 CR TS 28.541 Add Enhanced QoS support in NRM (stage 3, YAML)**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0875 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-232185)

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

**S5-232186 Update NRM fragment for 5QI configuration for NG-RAN**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0876 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-232912**.

**S5-232912 Update NRM fragment for 5QI configuration for NG-RAN**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0876 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-232186)

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

**S5-232187 Rel-18 CR TS 28.541 Correct the description and definition fro NWDAFFucntion IOC**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0877 Cat: F (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-232914**.

**S5-232914 Rel-18 CR TS 28.541 Correct the description and definition fro NWDAFFucntion IOC**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0877 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei*

(Replaces S5-232187)

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

**S5-232264 Correct the RRMPolicyRatio Description**

*Type: CR For: Agreement  
 28.541 v18.2.2 CR-0882 Cat: F (Rel-18)  
  
 Source: Huawei*

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

**S5-232391 Add Annex recommending QoS model usage**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0888 Cat: C (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S5-232913**.

**S5-232913 Add Annex recommending QoS model usage**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0888 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson*

(Replaces S5-232391)

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

##### 6.5.2.4 AdNRM\_ph2\_WoP#4

**S5-232120 NRM enhancements for AFFunction**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0862 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232915**.

**S5-232915 NRM enhancements for AFFunction**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0862 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232120)

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

**S5-232121 TS28.541 Rel-18 NRM enhancements for EASDFFunction**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0863 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232122 TS28.541 Rel-18 NRM enhancements for NSSAAFFunction**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0864 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232916**.

**S5-232916 TS28.541 Rel-18 NRM enhancements for NSSAAFFunction**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0864 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232122)

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

#### 6.5.3 Enhanced Edge Computing Management

##### 6.5.3.1 eECM\_WoP#1

**S5-233154 Rel-18 CR 28.538 Add stage 3 solution for LcmProcess IOC**

*Type: draftCR For: Approval  
 28.538 v18.1.0  
 Source: Intel Corporation (UK) Ltd*

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

**S5-232073 Rel-18 CR 28.538 Add stage 3 solution for request identifier attributes**

*Type: CR For: Approval  
 28.538 v18.1.0 CR-0025 Cat: B (Rel-18)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-233016 Rel-18 CR 28.538 Add stage 3 solution for request identifier attributes**

*Type: CR For: Approval  
 28.538 v18.1.0 CR-0025 rev 1 Cat: B (Rel-18)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-232223 Rel-18 CR 28.622 Add stage 2 solution for LcmProcess IOC**

*Type: CR For: Approval  
 28.622 v18.1.0 CR-0224 Cat: B (Rel-18)  
  
 Source: Intel Belgium SA/NV*

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

**S5-233017 Rel-18 CR 28.538 Add stage 2 solution for LcmProcess IOC**

*Type: CR For: Approval  
 28.538 v18.1.0 CR-0031 Cat: B (Rel-18)  
  
 Source: Intel Belgium SA/NV*

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

**S5-233153 Rel-18 CR 28.538 Add stage 2 solution for LcmProcess IOC**

*Type: draftCR For: Approval  
 28.538 v18.1.0  
 Source: Intel Belgium SA/NV*

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

**S5-232224 Rel-18 CR 28.538 Add stage 2 solution for request identifier attributes**

*Type: CR For: Approval  
 28.538 v18.1.0 CR-0026 Cat: B (Rel-18)  
  
 Source: Intel Belgium SA/NV*

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

**S5-233015 Rel-18 CR 28.538 Add stage 2 solution for request identifier attributes**

*Type: CR For: Approval  
 28.538 v18.1.0 CR-0026 rev 1 Cat: B (Rel-18)  
  
 Source: Intel Belgium SA/NV*

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

**S5-232228 Rel-18 CR 28.538 Revise EAS VNF instantiation and termination procedures**

*Type: CR For: Approval  
 28.538 v18.1.0 CR-0027 Cat: B (Rel-18)  
  
 Source: Intel Belgium SA/NV*

**Decision:** The document was **revised to S5-233014**.

**S5-233014 Rel-18 CR 28.538 Revise EAS VNF instantiation and termination procedures**

*Type: CR For: Approval  
 28.538 v18.1.0 CR-0027 rev 1 Cat: B (Rel-18)  
  
 Source: Intel Belgium SA/NV*

(Replaces S5-232228)

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

**S5-233152 Draft CR 28.538 Revise EAS VNF instantiation and termination procedures**

*Type: draftCR For: Approval  
 28.538 v18.1.0  
 Source: Intel Belgium SA/NV*

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

**S5-232448 Rel-18 CR 28.538 eECM**

*Type: CR For: Agreement  
 28.538 v18.1.0 CR-0030 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-233019**.

**S5-233019 Rel-18 CR 28.538 eECM**

*Type: CR For: Agreement  
 28.538 v18.1.0 CR-0030 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute UK*

(Replaces S5-232448)

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

##### 6.5.3.2 eECM\_WoP#2

##### 6.5.3.3 eECM\_WoP#3

#### 6.5.4 Enhancement of QoE Measurement Collection

##### 6.5.4.1 eQoE\_WoP#1

**S5-232188 TS28.622 add missing UML diagram for QoE Measurement Collection**

*Type: CR For: Agreement  
 28.622 v18.1.0 CR-0223 Cat: B (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-232996**.

**S5-232996 TS28.622 add missing UML diagram for QoE Measurement Collection**

*Type: CR For: Agreement  
 28.622 v18.1.0 CR-0223 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-232188)

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

##### 6.5.4.2 eQoE\_WoP#2

**S5-232115 Add MDT Alignment Information and RAN visible QoE Metrics to Signalling Based Activation**

*Type: CR For: Approval  
 28.405 v18.1.0 CR-0022 Cat: B (Rel-18)  
  
 Source: Ericsson Limited*

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

**S5-232116 LS on Approval of eQoE CRs for NR**

*Type: LS out For: (not specified)  
 to RAN2, RAN3, SA4, CT1, CT4  
 Source: Ericsson Limited*

**Decision:** The document was **revised to S5-232997**.

**S5-232997 LS on Approval of eQoE CRs for NR**

*Type: LS out For: -  
 to RAN2, RAN3, SA4, CT1, CT4  
 Source: Ericsson Limited*

(Replaces S5-232116)

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

#### 6.5.5 Access control for management service

##### 6.5.5.1 MSAC\_WoP#1

##### 6.5.5.2 MSAC\_WoP#2

##### 6.5.5.3 MSAC\_WoP#3

##### 6.5.5.4 MSAC\_WoP#4

**S5-232606 Rel-18 28.533 DraftCR for Authentication and Authorization usecase**

*Type: draftCR For: Approval  
 28.533 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233005**.

**S5-233005 Rel-18 28.533 DraftCR for Authentication and Authorization usecase**

*Type: draftCR For: Approval  
 28.533 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell,Deutsche Telekom*

(Replaces S5-232606)

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

**S5-232607 Rel-18 28.533 DraftCR for Identity to roles usecase**

*Type: draftCR For: Approval  
 28.533 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233006**.

**S5-233006 Rel-18 28.533 DraftCR for Identity to roles usecase**

*Type: draftCR For: Approval  
 28.533 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell,Deutsche Telekom*

(Replaces S5-232607)

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

**S5-232608 Rel-18 28.533 DraftCR for roles to policies and criteria usecase**

*Type: draftCR For: Approval  
 28.533 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233007**.

**S5-233007 Rel-18 28.533 DraftCR for roles to policies and criteria usecase**

*Type: draftCR For: Approval  
 28.533 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell,Deutsche Telekom*

(Replaces S5-232608)

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

**S5-232609 Rel-18 28.533 DraftCR for policies related to resources and operations usecase**

*Type: draftCR For: Approval  
 28.533 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232610 Rel-18 28.533 DraftCR for granularity of resources and operations usecase**

*Type: draftCR For: Approval  
 28.533 v17.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-233137 DraftCR 28.533 on Access control for management service**

*Type: draftCR For: Approval  
 28.533 v17.2.0  
 Source: Nokia,Deutsche Telekom*

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

#### 6.5.6 5G performance measurements and KPIs phase 3

##### 6.5.6.1 PM\_KPI\_5G\_Ph3\_WoP#1

**S5-232404 R18 CR TS 28.552 Add MA PDU session creation measurements for ATSSS**

*Type: CR For: Agreement  
 28.552 v18.1.0 CR-0403 Cat: B (Rel-18)  
  
 Source: China Telecomunication Corp.,Intel*

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

##### 6.5.6.2 PM\_KPI\_5G\_Ph3\_WoP#2

**S5-232159 Rel 18 TS 28.552 Add definition of DL PDCP buffered throughput per UE per DRB**

*Type: CR For: Approval  
 28.552 v18.1.0 CR-0398 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233033**.

**S5-233033 Rel 18 TS 28.552 Add definition of DL PDCP buffered throughput per UE per DRB**

*Type: CR For: Approval  
 28.552 v18.1.0 CR-0398 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232159)

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

**S5-232346 Add measurements for distribution of UL delay between NG-RAN and UE (including D1)**

*Type: CR For: Agreement  
 28.552 v18.1.0 CR-0399 Cat: B (Rel-18)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-233008**.

**S5-233008 Add measurements for distribution of UL delay between NG-RAN and UE (including D1)**

*Type: CR For: Agreement  
 28.552 v18.1.0 CR-0399 rev 1 Cat: B (Rel-18)  
  
 Source: Intel*

(Replaces S5-232346)

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

**S5-232349 Add measurements for average delay between NG-RAN and UE**

*Type: CR For: Agreement  
 28.552 v18.1.0 CR-0400 Cat: B (Rel-18)  
  
 Source: Intel*

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

**S5-232351 Add measurements for DL packet loss rate on Uu**

*Type: CR For: Agreement  
 28.552 v18.1.0 CR-0401 Cat: B (Rel-18)  
  
 Source: Intel*

**Decision:** The document was **revised to S5-233010**.

**S5-233010 Add measurements for DL packet loss rate on Uu**

*Type: CR For: Agreement  
 28.552 v18.1.0 CR-0401 rev 1 Cat: B (Rel-18)  
  
 Source: Intel*

(Replaces S5-232351)

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

##### 6.5.6.3 PM\_KPI\_5G\_Ph3\_WoP#3

**S5-232146 DP on enhancing streaming format of PMs**

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

**Decision:** The document was **revised to S5-233012**.

**S5-233012 DP on enhancing streaming format of PMs**

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

(Replaces S5-232146)

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

**S5-232170 Rel-18 CR TS 28.550 Enhance the streaming format of PM**

*Type: CR For: Approval  
 28.550 v18.0.0 CR-0076 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-233011 Rel-18 CR TS 28.550 Enhance the streaming format of PM**

*Type: CR For: Approval  
 28.550 v18.0.0 CR-0076 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

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

**S5-232171 Rel-18 CR TS 28.550 Example of ASN.1 schema for Streaming of PMs**

*Type: CR For: Approval  
 28.550 v18.0.0 CR-0077 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

**Decision:** The document was **revised to S5-233013**.

**S5-233013 Rel-18 CR TS 28.550 Example of ASN.1 schema for Streaming of PMs**

*Type: CR For: Approval  
 28.550 v18.0.0 CR-0077 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shangai Bell*

(Replaces S5-232171)

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

#### 6.5.7 Methodology for deprecation

##### 6.5.7.1 OAM\_MetDep\_ WoP#1

**S5-233070 Deprecate passedById**

*Type: CR For: Approval  
 32.156 v18.0.0 CR-0050 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-232076)

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

**S5-232077 Clarifications for lifecycleStatus property**

*Type: CR For: Approval  
 32.160 v18.0.0 CR-0032 Cat: C (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Decision:** The document was **revised to S5-232968**.

**S5-232968 Clarifications for lifecycleStatus property**

*Type: CR For: Approval  
 32.160 v18.0.0 CR-0032 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-232077)

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

### 6.6 Support of New Services

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

##### 6.6.1.1 EE5GPLUS\_Ph2\_WoP#1

**S5-232064 LS on 3GPP work on Energy Efficiency**

*Type: LS out For: Agreement  
 to SA,CT,RAN, cc SA1, SA2, SA3, SA4, SA6, RAN1, RAN2, RAN3, RAN4, CT1, CT3, CT4  
 Source: Huawei*

**Decision:** The document was **revised to S5-232903**.

**S5-232903 LS on 3GPP work on Energy Efficiency**

*Type: LS out For: Agreement  
 to SA, RAN, CT, cc SA1, SA2, SA3, SA4, SA6, RAN1, RAN2, RAN3, RAN4, CT1, CT3, CT4  
 Source: Huawei*

(Replaces S5-232064)

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

**S5-232106 Adding traceablity for ES compensation activation and deactivation procedures**

*Type: CR For: Approval  
 28.310 v18.0.0 CR-0027 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232904**.

**S5-232904 Adding traceablity for ES compensation activation and deactivation procedures**

*Type: CR For: Approval  
 28.310 v18.0.0 CR-0027 rev 1 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232106)

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

**S5-232314 DP to consider additional virtual resources usage to estimate VNF energy consumption**

*Type: discussion For: Endorsement  
 28.913 v..  
 Source: Nanjing Ericsson Panda Com Ltd*

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

**S5-232397 Rel-18 CR 28.554 Add the KPI of VNF energy consumption**

*Type: CR For: Approval  
 28.554 v18.0.0 CR-0110 Cat: B (Rel-18)  
  
 Source: Intel Belgium SA/NV*

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

##### 6.6.1.2 EE5GPLUS\_Ph2\_WoP#2

**S5-232693 S5-232693 Rel-17 CR TS 28.554 Energy Efficiency KPI of a URLLC network slice based on reliability**

*Type: CR For: Approval  
 28.554 v17.8.0 CR-0115 Cat: B (Rel-17)  
  
 Source: BEIJING SAMSUNG TELECOM R&D*

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

**S5-232695 Rel-18 CR TS 28.554 Energy Efficiency KPI of a URLLC network slice based on reliability**

*Type: CR For: Approval  
 28.554 v18.0.0 CR-0116 Cat: B (Rel-18)  
  
 Source: BEIJING SAMSUNG TELECOM R&D*

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

**S5-233082 Rel-18 CR TS 28.554 Energy Efficiency KPI of a URLLC network slice based on reliability**

*Type: CR For: Approval  
 28.554 v18.0.0 CR-0116 rev 1 Cat: B (Rel-18)  
  
 Source: BEIJING SAMSUNG TELECOM R&D*

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

#### 6.6.2 Network slice provisioning enhancement

##### 6.6.2.1 eNETSLICE\_PRO\_WoP#1

**S5-232072 Rel-18 CR 28.623 Add stage 3 solution for LcmProcess IOC**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0220 Cat: B (Rel-18)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-233018 Rel-18 CR 28.538 Add stage 3 solution for LcmProcess IOC**

*Type: CR For: Approval  
 28.538 v18.1.0 CR-0032 Cat: B (Rel-18)  
  
 Source: Intel Corporation (UK) Ltd*

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

**S5-232101 Rel-18 CR TS28.622 Add abstract IOC Controller\_ to support asynchronous LCM operations**

*Type: CR For: Approval  
 28.622 v18.1.0 CR-0179 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226110)

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

**S5-232102 Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations**

*Type: CR For: Approval  
 28.541 v18.2.2 CR-0800 rev 3 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226557)

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

**S5-232103 Procedures to support asynchronous Network Slice LCM operations**

*Type: CR For: Approval  
 28.531 v18.1.0 CR-0145 rev 3 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226560)

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

**S5-232104 Rel-18 CR TS 28.623 Add stage 3 for abstract IOC Controller\_**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0201 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226132)

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

**S5-232105 Add stage 3 for data type AvailabilityStatus**

*Type: CR For: Approval  
 28.623 v18.1.1 CR-0214 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226383)

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

**S5-232210 pCR TR 28.836 Add procedures for using intent driven approach to support async network slice provisioning**

*Type: pCR For: Approval  
 28.836 v0.3.0  
 Source: Huawei, Deutsche Telekom*

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

**S5-232225 Discussion paper for asynchronous LCM solutions**

*Type: discussion For: Endorsement  
 Source: Intel Belgium SA/NV*

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

**S5-232226 Rel-18 CR 28.531 Update NSI / NSSI allocation procedures**

*Type: CR For: Approval  
 28.531 v18.1.0 CR-0165 Cat: B (Rel-18)  
  
 Source: Intel Belgium SA/NV*

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

**S5-232227 Rel-18 CR 28.531 Update NSI / NSSI deallocation procedures**

*Type: CR For: Approval  
 28.531 v18.1.0 CR-0166 Cat: B (Rel-18)  
  
 Source: Intel Belgium SA/NV*

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

**S5-232347 Way forward discussion on network slice in Rel-18**

*Type: discussion For: Information  
 Source: Ericsson LM, Deutsche Telekom*

**Decision:** The document was **revised to S5-232970**.

**S5-232970 Way forward discussion on network slice in Rel-18**

*Type: discussion For: Information  
 Source: Ericsson LM, Deutsche Telekom,Huawei*

(Replaces S5-232347)

**Decision:** The document was **revised to S5-233155**.

**S5-233155 Way forward discussion on network slice in Rel-18**

*Type: discussion For: Endorsement  
 Source: Ericsson, Deutsche Telekom, Huawei, Intel, Samsung, Telefónica, Nokia*

(Replaces S5-232970)

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

**S5-232648 Discussion on network slice controller in Rel-18**

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

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

##### 6.6.2.2 eNETSLICE\_PRO\_WoP#2

### 6.7 Intelligence and Automation

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

##### 6.7.1.1 FS\_eANL\_WoP#1

**S5-232531 pCR TR 28.910 Add key issues and potential solutions for existing scenarios in TS 28.100**

*Type: pCR For: Approval  
 28.910 v0.3.0  
 Source: China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom*

**Discussion:**

The Chair asked for a show of hands on tdoc 2531:

Supporting tdoc 2531: China Mobile, Huawei, CATT, China Unicom,ZTE.

Not supporting tdoc 531: Ericsson, Nokia.

Supporting tdoc 532: Huawei, China Mobile, CATT,ZTE,China Unicom.

Not supporting: 532 Ericsson, Nokia

He commented that this could lead to a Working Agreement if no agreement was reached during the week.

**Decision:** The document was **revised to S5-232887**.

**S5-232887 pCR TR 28.910 Add key issues and potential solutions for existing scenarios in TS 28.100**

*Type: pCR For: Approval  
 28.910 v0.3.0  
 Source: China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom*

(Replaces S5-232531)

**Discussion:**

Ericsson objected.

The Chair asked for a show of hands.

Support: China Mobile, ZTE,China Telecom,CATT,China Unicom, Huawei.

No support: Ericsson, Nokia.

The Chair declared tdoc 887 approved as a working agreement.

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

**S5-232544 pCR TR 28.910 Add key issues for management of ANL**

*Type: pCR For: Approval  
 28.910 v0.3.0  
 Source: Huawei, China Mobile, AsiaInfo, CATT, China Unicom*

(Replaces S5-226213)

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

**S5-232687 Recommendation and conclusion for 28.910**

*Type: pCR For: (not specified)  
 28.910 v0.3.0  
 Source: Ericsson*

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

**S5-233165 Draft TR 28.910**

*Type: draft TR For: Approval  
 28.910 v0.4.0  
 Source: China Mobile*

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

##### 6.7.1.2 FS\_eANL\_WoP#2

**S5-232298 pCR TR 28.910 Add potential solution for 5GC NF deployment**

*Type: pCR For: Approval  
 28.910 v0.3.0  
 Source: Huawei*

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

##### 6.7.1.3 FS\_eANL\_WoP#3

##### 6.7.1.4 FS\_eANL\_WoP#4

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

##### 6.7.2.1 FS\_ANLEVA\_WoP#1

**S5-232532 pCR TR 28.909 Add key issues and potential solutions for ANLEVA**

*Type: pCR For: Approval  
 28.909 v0.2.0  
 Source: China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom*

**Decision:** The document was **revised to S5-232888**.

**S5-232888 pCR TR 28.909 Add key issues and potential solutions for ANLEVA**

*Type: pCR For: Approval  
 28.909 v0.2.0  
 Source: China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom*

(Replaces S5-232532)

**Discussion:**

The Chair asked for a show of hands;

Support: Huawei, China Telecom, ZTE, CATT,China Mobile, China Unicom.

No support: Ericsson, Nokia.

The Chair declared this tdoc approved as a working agreement.

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

**S5-232688 Recommendation and conclusion for 28.909**

*Type: pCR For: (not specified)  
 28.909 v0.1.0  
 Source: Ericsson GmbH, Eurolab*

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

**S5-233163 Draft TR 28.909**

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

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

##### 6.7.2.2 FS\_ANLEVA\_WoP#2

##### 6.7.2.3 FS\_ANLEVA\_WoP#3

##### 6.7.2.4 FS\_ANLEVA\_WoP#4

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

##### 6.7.3.1 FS\_eIDMS\_MN\_WoP#1

##### 6.7.3.2 FS\_eIDMS\_MN\_WoP#2

**S5-232087 pCR TR 28.912 Update the description of Issue#4.7 monitoring intent fulfilment information**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Jetflow*

**Abstract:**

pCR TR 28.912 Update the description of Issue#4.7 monitoring intent fulfilment information

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

**S5-232088 pCR TR 28.912 Update the description of Issue#4.4 5GC related intent expectation**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Jetflow*

**Abstract:**

pCR TR 28.912 Update the description of Issue#4.4 5GC related intent expectation

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

**S5-232089 pCR TR 28.912 Add Issue#4.x user service experience based RAN energy saving**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Jetflow*

**Abstract:**

pCR TR 28.912 Add Issue#4.x user service experience based RAN energy saving

**Decision:** The document was **revised to S5-232814**.

**S5-232814 pCR TR 28.912 Add Issue#4.x user service experience based RAN energy saving**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Jetflow*

(Replaces S5-232089)

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

**S5-232090 pCR TR 28.912 Add enhancement aspect6 and potential solution for user experience assurance**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Jetflow*

**Abstract:**

pCR TR 28.912 Add enhancement aspect6 and potential solution for user experience assurance

**Decision:** The document was **revised to S5-232786**.

**S5-232786 pCR TR 28.912 Add enhancement aspect6 and potential solution for user experience assurance**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Jetflow*

(Replaces S5-232090)

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

**S5-232206 pCR TR 28.912 Address the inconsistent issue for intent report (WOP#2)**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Huawei, China Mobile, Deutsche Telekom, Ericsson*

**Decision:** The document was **revised to S5-232901**.

**S5-232901 pCR TR 28.912 Address the inconsistent issue for intent report (WOP#2)**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Huawei, China Mobile, Deutsche Telekom, Ericsson*

(Replaces S5-232206)

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

**S5-232207 pCR TR 28.912 Add Comparison and analysis of potential solutions (WOP#2)**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Huawei, Ericsson*

**Decision:** The document was **revised to S5-232783**.

**S5-232783 pCR TR 28.912 Add Comparison and analysis of potential solutions (WOP#2)**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Huawei, Ericsson*

(Replaces S5-232207)

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

**S5-232261 pCR TR 28.912 Intent Fullfillment feedback**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232627**.

**S5-232262 pCR TR 28.912 enhance service support expectation**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232628**.

**S5-232299 pCR 28.912 update potential solution for 5GC related intent expectation**

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

**Decision:** The document was **revised to S5-232782**.

**S5-232782 pCR 28.912 update potential solution for 5GC related intent expectation**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Huawei, ZTE*

(Replaces S5-232299)

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

**S5-232323 pCR TR 28.912 Add Recommendation for Intent Reporting**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Ericsson LM*

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

**S5-232419 pCR TS 28.912 Update Issue#4.7 Monitoring intent fulfilment information**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Huawei Device Co., Ltd*

**Decision:** The document was **revised to S5-232778**.

**S5-232778 pCR TS 28.912 Update Issue#4.7 Monitoring intent fulfilment information**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Huawei Device Co., Ltd*

(Replaces S5-232419)

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

**S5-232432 pCR TR 28.912 Add solutions for monitoring intent fulfilment**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-232780**.

**S5-232780 pCR TR 28.912 Add solutions for monitoring intent fulfilment**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-232432)

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

**S5-232433 pCR TR 28.912 Add conclusion and recommendation for monitoring intent fulfilment**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-232781**.

**S5-232781 pCR TR 28.912 Add conclusion and recommendation for monitoring intent fulfilment**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-232433)

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

**S5-232453 pCR 28.912 Transparent Intent Reporting Window**

*Type: pCR For: Agreement  
 28.912 v1.1.0  
 Source: Samsung R&D Institute UK*

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

**S5-232455 pCR 28.912 Transparent Intent Reporting Window**

*Type: pCR For: Agreement  
 28.912 v1.1.0  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-232784**.

**S5-232784 pCR 28.912 Transparent Intent Reporting Window**

*Type: pCR For: Agreement  
 28.912 v1.1.0  
 Source: Samsung R&D Institute UK*

(Replaces S5-232455)

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

**S5-232627 pCR TR 28.912 Intent Fullfillment feedback**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232261)

**Decision:** The document was **revised to S5-232877**.

**S5-232877 pCR TR 28.912 Intent Fullfillment feedback**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232627)

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

**S5-232628 pCR TR 28.912 enhance service support expectation**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232262)

**Decision:** The document was **revised to S5-232787**.

**S5-232787 pCR TR 28.912 enhance service support expectation**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232628)

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

**S5-232785 Draft TR 28.912**

*Type: draft TR For: Approval  
 28.912 v1.2.0  
 Source: Huawei*

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

##### 6.7.3.3 FS\_eIDMS\_MN\_WoP#3

**S5-232259 pCR TR 28.912 Potential Solution on Intent-driven Closed Loop control**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232625**.

**S5-232260 pCR TR 28.912 Potential solution for Intent handling capability**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232626**.

**S5-232300 pCR 28.912 add potential solution for intent-driven for MDA**

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

**Decision:** The document was **revised to S5-232991**.

**S5-232991 pCR 28.912 add potential solution for intent-driven for MDA**

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

(Replaces S5-232300)

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

**S5-232434 pCR 28.912 Add potential solution for intent conflicts**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: NTT DOCOMO INC.*

**Decision:** The document was **revised to S5-232788**.

**S5-232788 pCR 28.912 Add potential solution for intent conflicts**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: NTT DOCOMO INC.*

(Replaces S5-232434)

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

**S5-232435 pCR 28.912 Add reexecution point of intent after intent conflicts resolution**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: NTT DOCOMO INC.*

**Decision:** The document was **revised to S5-232789**.

**S5-232789 pCR 28.912 Add reexecution point of intent after intent conflicts resolution**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: NTT DOCOMO INC.*

(Replaces S5-232435)

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

**S5-232625 pCR TR 28.912 Potential Solution on Intent-driven Closed Loop control**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232259)

**Decision:** The document was **revised to S5-232876**.

**S5-232876 pCR TR 28.912 Potential Solution on Intent-driven Closed Loop control**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232625)

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

**S5-232626 pCR TR 28.912 Potential solution for Intent handling capability**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232260)

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

##### 6.7.3.4 FS\_eIDMS\_MN\_WoP#4

##### 6.7.3.5 FS\_eIDMS\_MN\_WoP#5

**S5-232205 pCR TR 28.912 Rapporteur clean up**

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

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

**S5-232208 pCR TR 28.912 Add conclusion and recommendation for issues related to collaboration with other SDOs (WOP#5)**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-232790**.

**S5-232790 pCR TR 28.912 Add conclusion and recommendation for issues related to collaboration with other SDOs (WOP#5)**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Huawei, Deutsche Telekom, Telefónica, Ericsson*

(Replaces S5-232208)

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

**S5-232209 pCR TS 28.912 Add conclusion and recommendation for issues which need further investigation (WOP#5)**

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

**Decision:** The document was **revised to S5-232791**.

**S5-232791 pCR TS 28.912 Add conclusion and recommendation for issues which need further investigation (WOP#5)**

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

(Replaces S5-232209)

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

**S5-232263 pCR TR 28.912 Additions to Conclusion and recommendation**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232629**.

**S5-232444 Presentation sheet of TR 28.912 for SA Approval**

*Type: TS or TR cover For: Approval  
 28.912 v1.1.0  
 Source: Huawei Device Co., Ltd*

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

**S5-232629 pCR TR 28.912 Additions to Conclusion and recommendation**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232263)

**Decision:** The document was **revised to S5-232792**.

**S5-232792 pCR TR 28.912 Additions to Conclusion and recommendation**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232629)

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

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

##### 6.7.4.1 FS\_NETSLICE\_IDMS\_WoP#1

**S5-232091 pCR TR 28.836 Add Use case of Intent driven management to support the operation of network slice instance**

*Type: pCR For: Approval  
 28.836 v0.3.0  
 Source: Jetflow*

**Abstract:**

pCR TR 28.836 Add Use case of Intent driven management to support the operation of network slice instance

**Decision:** The document was **revised to S5-232947**.

**S5-232947 pCR TR 28.836 Add Use case of Intent driven management to support the operation of network slice instance**

*Type: pCR For: Approval  
 28.836 v0.3.0  
 Source: Jetflow,Huawei*

(Replaces S5-232091)

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

**S5-232211 pCR TR 28.836 Add solutions for expressing service and slice profile requirements as intent expectations**

*Type: pCR For: Approval  
 28.836 v0.3.0  
 Source: Huawei, China Mobile, Deutsche Telekom, Telefónica*

**Decision:** The document was **revised to S5-232948**.

**S5-232948 pCR TR 28.836 Add solutions for expressing service and slice profile requirements as intent expectations**

*Type: pCR For: Approval  
 28.836 v0.3.0  
 Source: Huawei, China Mobile, Deutsche Telekom, Telefónica*

(Replaces S5-232211)

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

**S5-232301 pCR 28.836 Add use case of intent driven management to modify a network slice**

*Type: pCR For: Approval  
 28.836 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-233054**.

**S5-233054 pCR 28.836 Add use case of intent driven management to modify a network slice**

*Type: pCR For: Approval  
 28.836 v0.3.0  
 Source: Huawei*

(Replaces S5-232301)

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

**S5-232302 pCR 28.836 Add use case of intent driven management for network slice feasibility check**

*Type: pCR For: Approval  
 28.836 v0.3.0  
 Source: Huawei*

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

**S5-232303 pCR 28.836 Add use case of intent driven management to obtain intent fulfillment report of network slice**

*Type: pCR For: Approval  
 28.836 v0.3.0  
 Source: Huawei*

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

**S5-233166 Draft TR 28.836**

*Type: draft TR For: Approval  
 28.836 v0.4.0  
 Source: Ericsson*

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

##### 6.7.4.2 FS\_NETSLICE\_IDMS\_WoP#2

**S5-232304 pCR 28.836 Add potential solution for IDM to express expectation of network slice service assurance**

*Type: pCR For: Approval  
 28.836 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232949**.

**S5-232949 pCR 28.836 Add potential solution for IDM to express expectation of network slice service assurance**

*Type: pCR For: Approval  
 28.836 v0.3.0  
 Source: Huawei*

(Replaces S5-232304)

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

**S5-232311 pCR TR 28.912 intents for slice-based cell reselection**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232630**.

**S5-232630 pCR TR 28.912 intents for slice-based cell reselection**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232311)

**Decision:** The document was **revised to S5-232950**.

**S5-232950 pCR TR 28.912 intents for slice-based cell reselection**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232630)

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

##### 6.7.4.3 FS\_NETSLICE\_IDMS\_WoP#3

##### 6.7.4.4 FS\_NETSLICE\_IDMS\_WoP#4

##### 6.7.4.5 FS\_NETSLICE\_IDMS\_WoP#5

**S5-232631 pCR TR 28.912 Conclusion on Testing Intent-driven MnS Capabilities**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232951**.

**S5-232951 pCR TR 28.912 Conclusion on Testing Intent-driven MnS Capabilities**

*Type: pCR For: Approval  
 28.912 v1.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232631)

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

#### 6.7.5 Study on AI/ ML management

##### 6.7.5.1 FS\_AIML\_MGMT\_WoP#1

**S5-232248 pCR TR28.908 update AIML management capabilities**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232612**.

**S5-232284 pCR TR 28.908 Add description of the AIML management relationship with 3GPP groups**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Huawei*

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

**S5-232316 pCR TR 28.908 Add Definitions and terms**

*Type: pCR For: Agreement  
 28.908 v1.0.1  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-232794**.

**S5-232794 pCR TR 28.908 Add Definitions and terms**

*Type: pCR For: Agreement  
 28.908 v1.0.1  
 Source: Ericsson India Private Limited*

(Replaces S5-232316)

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

**S5-232612 pCR TR28.908 update AIML management capabilities**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232248)

**Decision:** The document was **revised to S5-232793**.

**S5-232793 pCR TR28.908 update AIML management capabilities**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232612)

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

**S5-232701 pCR TR 28.908 Add definitions and terms**

*Type: pCR For: Agreement  
 28.908 v1.0.1  
 Source: Ericsson India Private Limited*

**Decision:** The document was **revised to S5-232795**.

**S5-232795 pCR TR 28.908 Correction of terminologies**

*Type: pCR For: Agreement  
 28.908 v1.0.1  
 Source: Ericsson India Private Limited*

(Replaces S5-232701)

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

**S5-233167 Draft TR 28.908**

*Type: draft TR For: Approval  
 28.908 v1.1.0  
 Source: Intel*

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

##### 6.7.5.2 FS\_AIML\_MGMT\_WoP#2

**S5-232084 pCR TR 28.908 Re-structing content of clause 5 Use cases, potential requirements, and possible solutions**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: NEC, Intel*

**Decision:** The document was **revised to S5-232807**.

**S5-232807 pCR TR 28.908 Re-structing content of clause 5 Use cases, potential requirements, and possible solutions**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: NEC, Intel*

(Replaces S5-232084)

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

**S5-232255 pCR 28.908 Use case & Potential solution on Transfer learning**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232621**.

**S5-232257 pCR TR28.908 AIML Update control**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232623**.

**S5-232258 pCR TR28.908 ML energy consumption aware ML training**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232280 pCR TR 28.908 Update the use case of ML entity performance evaluation**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-232796**.

**S5-232796 pCR TR 28.908 Update the use case of ML entity performance evaluation**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Huawei*

(Replaces S5-232280)

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

**S5-232621 pCR 28.908 Use case & Potential solution on Transfer learning**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232255)

**Decision:** The document was **revised to S5-232808**.

**S5-232808 pCR 28.908 Use case & Potential solution on Transfer learning**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232621)

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

**S5-232623 pCR TR28.908 AIML Update control**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232257)

**Decision:** The document was **revised to S5-232975**.

**S5-232975 pCR TR28.908 AIML Update control**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232623)

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

**S5-232642 pCR 28.908 Add use case on multiple ML entities testing**

*Type: pCR For: Approval  
 28.908 v0.5.0  
 Source: CATT*

**Abstract:**

Resubmitted base on S5-226562

**Decision:** The document was **revised to S5-233009**.

**S5-233009 pCR 28.908 Add use case on multiple ML entities testing**

*Type: pCR For: Approval  
 28.908 v0.5.0  
 Source: CATT*

(Replaces S5-232642)

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

**S5-232682 pCR TR 28.908 Resolving overlap in use cases – Trustworthy Machine Learning**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: NEC, Intel*

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

**S5-232683 pCR TR 28.908 Resolving overlap in use cases – Performance evaluation**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: NEC, Intel*

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

##### 6.7.5.3 FS\_AIML\_MGMT\_WoP#3

**S5-232241 TR28.908 Potential Solution and evaluation on Measurement data correlation analytics for ML training**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232848**.

**S5-232848 TR28.908 Potential Solution and evaluation on Measurement data correlation analytics for ML training**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232241)

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

**S5-232242 TR28.908 Potential Solution and evaluation on Training data effectiveness analytics**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233040**.

**S5-233040 TR28.908 Potential Solution and evaluation on Training data effectiveness analytics**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232242)

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

**S5-232243 TR28.908 Potential Solution and evaluation on Training data effectiveness reporting**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233041**.

**S5-233041 TR28.908 Potential Solution and evaluation on Training data effectiveness reporting**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232243)

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

**S5-232249 pCR TR28.908 Potential Solution on AIML trustworthiness indicators**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232613**.

**S5-232250 pCR TR28.908 Potential Solution on AIML data trustworthiness**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232614**.

**S5-232251 pCR TR28.908 Potential Solution on AIML training trustworthiness**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232615**.

**S5-232252 pCR TR28.908 Potential Solution on AIML inference trustworthiness**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232616, S5-232617**.

**S5-232253 pCR 28.908 Assessment of ML trustworthiness**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232618**.

**S5-232254 pCR 28.908 Extend coordination of AIML capabilities**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232619**.

**S5-232256 pCR 28.908 Extend ML update management**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232622**.

**S5-232279 pCR TR 28.908 Add the evaluation of AIML update management**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-232847**.

**S5-232847 pCR TR 28.908 Add the evaluation of AIML update management**

*Type: pCR For: Approval* 28.908 v1.0.1  
 *Source: Huawei*

(Replaces S5-232279)

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

**S5-232281 pCR TR 28.908 Update the solution of ML entity performance evaluation**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Huawei*

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

**S5-232282 pCR TR 28.908 Add the solution of ML entity configuration**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Huawei*

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

**S5-232360 pCR 28.908 Split AI-ML configuration management into two phases (inference and ML training)**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Intel, NEC*

**Decision:** The document was **revised to S5-233083**.

**S5-233083 pCR 28.908 Split AI-ML configuration management into two phases (inference and ML training)**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Intel, NEC,Huawei*

(Replaces S5-232360)

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

**S5-232613 pCR TR28.908 Potential Solution on AIML trustworthiness indicators**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232249)

**Decision:** The document was **revised to S5-232974**.

**S5-232974 pCR TR28.908 Potential Solution on AIML trustworthiness indicators**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232613)

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

**S5-232614 pCR TR28.908 Potential Solution on AIML data trustworthiness**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232250)

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

**S5-232615 pCR TR28.908 Potential Solution on AIML training trustworthiness**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232251)

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

**S5-232616 pCR TR28.908 Potential Solution on AIML inference trustworthiness**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232252)

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

**S5-232617 pCR TR28.908 Potential Solution on AIML inference trustworthiness**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232252)

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

**S5-232618 pCR 28.908 Assessment of ML trustworthiness**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232253)

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

**S5-232619 pCR 28.908 Extend coordination of AIML capabilities**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232254)

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

**S5-232620 pCR 28.908 Updates and Corrections for Configuration Management**

*Type: pCR For: Agreement  
 28.908 v1.0.1  
 Source: Ericsson Telecomunicazioni SpA*

**Decision:** The document was **revised to S5-232815**.

**S5-232815 pCR 28.908 Updates and Corrections for Configuration Management**

*Type: pCR For: Agreement  
 28.908 v1.0.1  
 Source: Ericsson Telecomunicazioni SpA*

(Replaces S5-232620)

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

**S5-232622 pCR 28.908 Extend ML update management**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232256)

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

**S5-232846 pCR 28.908 Extend ML update management**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232643 pCR 28.908 Add possible solution for multiple ML entities testing**

*Type: pCR For: Approval  
 28.908 v0.5.0  
 Source: CATT*

**Abstract:**

Resubmitted base on S5-226563

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

##### 6.7.5.4 FS\_AIML\_MGMT\_WoP#4

**S5-232240 TR28.908 Potential Solution and evaluation on coordination of capabilities**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell, TELUS*

**Decision:** The document was **revised to S5-233039**.

**S5-233039 TR28.908 Potential Solution and evaluation on coordination of capabilities**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Nokia, Nokia Shanghai Bell, TELUS*

(Replaces S5-232240)

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

##### 6.7.5.5 FS\_AIML\_MGMT\_WoP#5

##### 6.7.5.6 FS\_AIML\_MGMT\_WoP#6

**S5-232283 pCR TR 28.908 Add AIML capabilities deployment scenarios**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-233138**.

**S5-233138 pCR TR 28.908 Add AIML capabilities deployment scenarios**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Huawei,Intel,NEC*

(Replaces S5-232283)

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

**S5-232364 pCR 28.908 Add deployment scenarios of AI-ML related capabilities**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Intel, NEC*

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

##### 6.7.5.7 FS\_AIML\_MGMT\_WoP#7

**S5-232085 pCR TR28.908 Add general conclusions and recommendations**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: NEC, Intel*

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

**S5-232366 Presentation of TR 28.908 for approval**

*Type: pCR For: Approval  
 28.908 v1.0.1  
 Source: Intel, NEC*

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

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

##### 6.7.6.1 FS\_MANWDAF\_WoP#1

**S5-232559 Add conclusions for KI#1 and KI#2**

*Type: pCR For: (not specified)  
 28.864 v0.5.0  
 Source: Chinatelecom Cloud*

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

**S5-232633 Presentation of Report to TSG: TR28.864, Version 0.6.0**

*Type: TS or TR cover For: Approval  
 28.864 v0.5.0  
 Source: China Telecommunications*

**Abstract:**

Presentation of Specification/Report to TSG: TR28.864, Version 0.6.0 for information

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

**S5-232638 Update the Scope section of TR 28864**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: China Telecommunications*

**Abstract:**

Update the Scope section of TR 28864

**Decision:** The document was **revised to S5-232999**.

**S5-232999 Update the Scope section of TR 28864**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: China Telecommunications*

(Replaces S5-232638)

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

**S5-232666 Providing Requirement Text for KI#1 and KI#2 in TR 28864**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: China Telecommunications*

**Abstract:**

roviding Requirement Text for KI#1 and KI#2 in TR 28864

**Decision:** The document was **revised to S5-233000**.

**S5-233000 Providing Requirement Text for KI#1 and KI#2 in TR 28864**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: China Telecommunications*

(Replaces S5-232666)

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

**S5-232694 Update KI#3 KI#4 Requirements in TR28864**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: China Telecommunications*

**Abstract:**

The existed requirements in KI#3 and KI#4 use names which look very similar and it's better to make them more distinct.

Moreover, it's better to provide additional description of requirements based on description of the KI#3 and the potential solutions di

**Decision:** The document was **revised to S5-233001**.

**S5-233001 Update KI#3 KI#4 Requirements in TR28864**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: China Telecommunications*

(Replaces S5-232694)

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

**S5-232696 Provide description of the requirements having been discussed in KI#5 TR28864**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: China Telecommunications*

**Abstract:**

Provide explicit description of the requirements having been discussed in KI#5 TR28864

**Decision:** The document was **revised to S5-233002**.

**S5-233002 Provide description of the requirements having been discussed in KI#5 TR28864**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: China Telecommunications*

(Replaces S5-232696)

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

**S5-232998 Draft TR 28.864**

*Type: draft TR For: Approval  
 28.864 v0.6.0  
 Source: China Telecom*

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

##### 6.7.6.2 FS\_MANWDAF\_WoP#2

**S5-232560 pCR 28.864 Update the evaluation and add the conclusion for KI#3**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: Chinatelecom Cloud*

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

**S5-232561 pCR 28.864 Add the evaluation and conclusion for KI#4**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: Chinatelecom Cloud*

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

**S5-232562 pCR 28.864 Add conclusions for KI#5 and KI#6**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: Chinatelecom Cloud*

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

**S5-232563 pCR 28.864 Add the evaluation and conclusion for KI#7**

*Type: pCR For: Approval  
 28.864 v0.5.0  
 Source: Chinatelecom Cloud*

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

**S5-232564 pCR 28.864 Add conclusions and recommendations for TR 28.864**

*Type: pCR For: (not specified)  
 28.864 v0.5.0  
 Source: Chinatelecom Cloud*

**Decision:** The document was **revised to S5-233004**.

**S5-233004 pCR 28.864 Add conclusions and recommendations for TR 28.864**

*Type: pCR For: -  
 28.864 v0.5.0  
 Source: Chinatelecom Cloud*

(Replaces S5-232564)

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

#### 6.7.7 Study on Fault Supervision Evolution

##### 6.7.7.1 FS\_FSEV\_WoP#1

**S5-232550 pCR TR 28.830 Add concept of anomaly report**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-233020**.

**S5-233020 pCR TR 28.830 Add concept of anomaly report**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

(Replaces S5-232550)

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

**S5-232551 pCR TR 28.830 Add description of management capability**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-233021**.

**S5-233021 pCR TR 28.830 Add description of management capability**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile,Ericsson*

(Replaces S5-232551)

**Decision:** The document was **revised to S5-233156**.

**S5-233156 pCR TR 28.830 Add description of management capability**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, CMCC, Nokia, Nokia Shangai Bell, Ericsson*

(Replaces S5-233021)

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

**S5-233161 Draft TR 28.830**

*Type: draft TR For: Approval  
 28.830 v0.4.0  
 Source: China Mobile*

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

##### 6.7.7.2 FS\_FSEV\_WoP#2

**S5-232552 pCR TR 28.830 Add description of fault related analysis**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-233022**.

**S5-233022 pCR TR 28.830 Add description of fault related analysis**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

(Replaces S5-232552)

**Decision:** The document was **revised to S5-233157**.

**S5-233157 pCR TR 28.830 Add description of fault related analysis**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

(Replaces S5-233022)

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

##### 6.7.7.3 FS\_FSEV\_WoP#3

### 6.8 Management Architecture and Mechanisms

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

##### 6.8.1.1 FS\_eSBMA\_WoP#1

##### 6.8.1.2 FS\_eSBMA\_WoP#2

**S5-232317 pCR TR 28.925 Rapporteur cleanup**

*Type: pCR For: (not specified)  
 28.925 v0.9.0  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-232891 Draft TR 28.925**

*Type: draft TR For: Approval  
 28.925 v0.10.0  
 Source: Huawei*

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

##### 6.8.1.3 FS\_eSBMA\_WoP#3

##### 6.8.1.4 FS\_eSBMA\_WoP#4

##### 6.8.1.5 FS\_eSBMA\_WoP#5

**S5-232318 pCR 28.925 Add an example for management function deployment scenarios**

*Type: pCR For: (not specified)  
 28.925 v0.9.0  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-232952**.

**S5-232952 pCR 28.925 Add an example for management function deployment scenarios**

*Type: pCR For: -  
 28.925 v0.9.0  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-232318)

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

##### 6.8.1.6 FS\_eSBMA\_WoP#6

**S5-232140 pCR TR 28.925 Add issue about extending TS 32.300 to support SBMA**

*Type: pCR For: Approval  
 28.925 v0.9.0  
 Source: Oy LM Ericsson AB*

**Decision:** The document was **revised to S5-232953**.

**S5-232953 pCR TR 28.925 Add issue about extending TS 32.300 to support SBMA**

*Type: pCR For: Approval  
 28.925 v0.9.0  
 Source: Oy LM Ericsson AB*

(Replaces S5-232140)

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

#### 6.8.2 Study on Basic SBMA enabler enhancements

##### 6.8.2.1 FS\_eSBMAe\_WoP#1

**S5-232511 pCR 28.831 Multiple alarms in single notifyNewAlarm Key Issue**

*Type: pCR For: Agreement  
 28.831 v0.5.0  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-233034**.

**S5-233034 pCR 28.831 Multiple alarms in single notifyNewAlarm Key Issue**

*Type: pCR For: Agreement  
 28.831 v0.5.0  
 Source: Samsung R&D Institute UK*

(Replaces S5-232511)

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

##### 6.8.2.2 FS\_eSBMAe\_WoP#2

**S5-232345 Rel-18 CR 28.831 Add conclusion for issue 3 Definition of createMOI**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233035**.

**S5-233035 Rel-18 CR 28.831 Add conclusion for issue 3 Definition of createMOI**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232345)

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

**S5-232348 Rel-18 CR 28.831 Add conclusion for issue 4 Definition of modifyMOIAttributes**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233036**.

**S5-233036 Rel-18 CR 28.831 Add conclusion for issue 4 Definition of modifyMOIAttributes**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232348)

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

**S5-232350 Rel-18 CR 28.831 Add issue on Bulk CM operations (stage 2)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233037**.

**S5-233037 Rel-18 CR 28.831 Add issue on Bulk CM operations (stage 2)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232350)

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

**S5-232352 Rel-18 CR 28.831 Add CR proposal and conclusion for issue on Bulk CM operations (stage 2)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233038**.

**S5-233038 Rel-18 CR 28.831 Add CR proposal and conclusion for issue on Bulk CM operations (stage 2)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232352)

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

**S5-233162 Draft TR 28.831**

*Type: draft TR For: Approval  
 28.831 v0.6.0  
 Source: Nokia*

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

##### 6.8.2.3 FS\_eSBMAe\_WoP#3

**S5-232098 Rel-18 pCR TR 28.831 Add a new key issue for Advertising NRM properties by the MnS producer**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233042**.

**S5-233042 Rel-18 pCR TR 28.831 Add a new key issue for Advertising NRM properties by the MnS producer**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232098)

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

**S5-232099 Rel-18 pCR TR 28.831 Add potential requirements for KI for Advertising NRM properties by the MnS producer**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233043**.

**S5-233043 Rel-18 pCR TR 28.831 Add potential requirements for KI for Advertising NRM properties by the MnS producer**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232099)

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

**S5-232100 Rel-18 pCR TR 28.831 Add a potential solution for KI for Advertising NRM properties by the MnS producer**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233044**.

**S5-233044 Rel-18 pCR TR 28.831 Add a potential solution for KI for Advertising NRM properties by the MnS producer**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232100)

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

**S5-232353 Rel-18 CR 28.831 Add issue on advertising communication options (REST SS)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232356 Rel-18 CR 28.831 Add general solution for advertising communication options (REST SS)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232359 Rel-18 CR 28.831 Add solution for advertising supported HTTP request methods (REST SS)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233045**.

**S5-233045 Rel-18 CR 28.831 Add solution for advertising supported HTTP request methods (REST SS)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232359)

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

**S5-232361 Rel-18 CR 28.831 Add solution for advertising supported patch request formats (REST SS)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232362 Rel-18 CR 28.831 Add solution for advertising supported query parameters (REST SS)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232365 Rel-18 CR 28.831 Add conclusion for issue on advertising communication options (REST SS)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233047**.

**S5-233047 Rel-18 CR 28.831 Add conclusion for issue on advertising communication options (REST SS)**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232365)

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

**S5-232367 Rel-18 CR 28.831 Add CR proposal for error response – Supported HTTP error codes**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233048**.

**S5-233048 Rel-18 CR 28.831 Add CR proposal for error response – Supported HTTP error codes**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232367)

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

**S5-232369 Rel-18 CR 28.831 Add CR proposal for error response – Error response body format**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233049**.

**S5-233049 Rel-18 CR 28.831 Add CR proposal for error response – Error response body format**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232369)

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

**S5-232371 Rel-18 CR 28.831 Add CR proposal for error response – Type property**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233050**.

**S5-233050 Rel-18 CR 28.831 Add CR proposal for error response – Type property**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232371)

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

**S5-232372 Rel-18 CR 28.831 Add CR proposal for error response – Reason property**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233051**.

**S5-233051 Rel-18 CR 28.831 Add CR proposal for error response – Reason property**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232372)

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

##### 6.8.2.4 FS\_eSBMAe\_WoP#4

**S5-232380 Rel-18 CR 28.831 Clarify the mapping from a JSON document into the XPath data model**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233052**.

**S5-233052 Rel-18 CR 28.831 Clarify the mapping from a JSON document into the XPath data model**

*Type: pCR For: Approval  
 28.831 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232380)

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

##### 6.8.2.5 FS\_eSBMAe\_WoP#5

##### 6.8.2.6 FS\_eSBMAe\_WoP#6

##### 6.8.2.7 FS\_eSBMAe\_WoP#7

**S5-232510 pCR 28.831 Logging Key Issues**

*Type: pCR For: Agreement  
 28.831 v0.5.0  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-233053**.

**S5-233053 pCR 28.831 Logging Key Issues**

*Type: pCR For: Agreement  
 28.831 v0.5.0  
 Source: Samsung R&D Institute UK*

(Replaces S5-232510)

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

##### 6.8.2.8 FS\_eSBMAe\_WoP#8

##### 6.8.2.9 FS\_eSBMAe\_WoP#9

**S5-232707 pCR 28.831 Trigger Key Issues**

*Type: pCR For: Agreement  
 28.831 v0.5.0  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-233055**.

**S5-233055 pCR 28.831 Trigger Key Issues**

*Type: pCR For: Agreement  
 28.831 v0.5.0  
 Source: Samsung R&D Institute UK*

(Replaces S5-232707)

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

##### 6.8.2.10 FS\_eSBMAe\_WoP#10

#### 6.8.3 Study on Management Aspects of URLLC

##### 6.8.3.1 FS\_URLLC\_Mgt\_WoP#1

**S5-232527 Add Conclusion and recommendation for Issue#1**

*Type: pCR For: Approval  
 28.832 v0.4.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-232956**.

**S5-232956 Add Conclusion and recommendation for Issue#1**

*Type: pCR For: Approval  
 28.832 v0.4.0  
 Source: China Unicom*

(Replaces S5-232527)

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

**S5-233032 Draft TR 28.832**

*Type: draft TR For: Approval  
 28.832 v0.5.0  
 Source: China Unicom*

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

##### 6.8.3.2 FS\_URLLC\_Mgt\_WoP#2

**S5-232529 Add Conclusion and recommendation for Issue #4**

*Type: pCR For: Approval  
 28.832 v0.4.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-232957**.

**S5-232957 Add Conclusion and recommendation for Issue #4**

*Type: pCR For: Approval  
 28.832 v0.4.0  
 Source: China Unicom*

(Replaces S5-232529)

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

**S5-232533 Add Solution for configuration of latency for URLLC in RAN over the air interface**

*Type: pCR For: Approval  
 28.832 v0.4.0  
 Source: China Unicom, Huawei*

**Decision:** The document was **revised to S5-232958**.

**S5-232958 Add Solution for configuration of latency for URLLC in RAN over the air interface**

*Type: pCR For: Approval  
 28.832 v0.4.0  
 Source: China Unicom, Huawei*

(Replaces S5-232533)

**Decision:** The document was **revised to S5-233151**.

**S5-233151 Add Solution for configuration of latency for URLLC in RAN over the air interface**

*Type: pCR For: Approval  
 28.832 v0.4.0  
 Source: China Unicom, Huawei*

(Replaces S5-232958)

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

**S5-232689 URLLC solutions**

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

**Decision:** The document was **revised to S5-232959**.

**S5-232959 URLLC solutions**

*Type: pCR For: -  
 28.832 v0.4.0  
 Source: Ericsson*

(Replaces S5-232689)

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

##### 6.8.3.3 FS\_URLLC\_Mgt\_WoP#3

**S5-232534 Add new solution for support for performance measurements related on URLLC resource load**

*Type: pCR For: Approval  
 28.832 v0.4.0  
 Source: China Unicom*

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

**S5-233128 Add new solution for support for performance measurements related on URLLC resource load**

*Type: pCR For: Approval  
 28.832 v0.4.0  
 Source: China Unicom*

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

**S5-232535 Add New Solution for URLLC performance management related to reliability in RAN**

*Type: pCR For: Approval  
 28.832 v0.4.0  
 Source: China Unicom*

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

**S5-233129 Add New Solution for URLLC performance management related to reliability in RAN**

*Type: pCR For: Approval  
 28.832 v0.4.0  
 Source: China Unicom*

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

##### 6.8.3.4 FS\_URLLC\_Mgt\_WoP#4

#### 6.8.4 Study on Management Aspect of 5GLAN

##### 6.8.4.1 FS\_5GLAN\_Mgt\_WoP#1

##### 6.8.4.2 FS\_5GLAN\_Mgt\_WoP#2

##### 6.8.4.3 FS\_5GLAN\_Mgt\_WoP#3

##### 6.8.4.4 FS\_5GLAN\_Mgt\_WoP#4

**S5-232429 pCR TR28.833 Adding editorial and technical changes**

*Type: pCR For: Approval  
 28.833 v0.5.0  
 Source: China Mobile Com. Corporation*

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

**S5-232431 Presentation sheet of TR 28.833 for SA Approval**

*Type: TS or TR cover For: Approval  
 28.833 v0.5.0  
 Source: China Mobile Com. Corporation*

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

**S5-232454 pCR TR28.833 Adding editorial and technical changes**

*Type: pCR For: Approval  
 28.833 v0.5.0  
 Source: China Mobile, Huawei*

**Decision:** The document was **revised to S5-233003**.

**S5-233003 pCR TR28.833 Adding editorial and technical changes**

*Type: pCR For: Approval  
 28.833 v0.5.0  
 Source: China Mobile, Huawei*

(Replaces S5-232454)

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

**S5-232892 Draft TR 28.833**

*Type: draft TR For: discussion  
 28.833 v0.6.0  
 Source: China Mobile*

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

#### 6.8.5 Study on Management of Cloud Native Virtualized Network Functions

##### 6.8.5.1 FS\_MCVNF\_WoP#1

**S5-232195 pCR TR 28.834 Add issues and requirements for usecase# 3**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: Jetflow*

**Abstract:**

pCR TR 28.834 Add issues and requirements for usecase# 3

**Decision:** The document was **revised to S5-232960**.

**S5-232960 pCR TR 28.834 Add issues and requirements for usecase# 3**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: Jetflow*

(Replaces S5-232195)

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

**S5-232236 pCR 28.834 Add key issues for usecase 6 and usecase 7**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S5-232961**.

**S5-232961 pCR 28.834 Add key issues for usecase 6 and usecase 7**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S5-232236)

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

**S5-232441 PCR 28.834 Add use case and solution for healing of cloud-native VNF**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S5-232962**.

**S5-232962 PCR 28.834 Add use case and solution for healing of cloud-native VNF**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S5-232441)

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

**S5-232536 pCR 28.834 Add use case and solution for VNF package management of the cloud-native VNF**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S5-232963**.

**S5-232963 pCR 28.834 Add use case and solution for VNF package management of the cloud-native VNF**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: AsiaInfo Technologies Inc,Huawei*

(Replaces S5-232536)

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

##### 6.8.5.2 FS\_MCVNF\_WoP#2

##### 6.8.5.3 FS\_MCVNF\_WoP#3

**S5-232305 pCR 28.834 move VNF package update solution to clause 6**

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

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

**S5-232964 pCR 28.834 move VNF package update solution to clause 6**

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

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

**S5-232306 pCR 28.834 Add potential solution for scaling**

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

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

**S5-232307 pCR 28.834 add conclusion and recommentation for cloud native VNF creation**

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

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

**S5-232664 pCR 28.834 Add conclusion and recommendation**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-232966**.

**S5-232966 pCR 28.834 Add conclusion and recommendation**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-232664)

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

**S5-232665 pCR 28.834 Update solution for management of the cloud-native VNF using generic OAM functions**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: China Mobile E-Commerce Co.*

**Decision:** The document was **revised to S5-232967**.

**S5-232967 pCR 28.834 Update solution for management of the cloud-native VNF using generic OAM functions**

*Type: pCR For: Approval  
 28.834 v0.4.0  
 Source: China Mobile E-Commerce Co.*

(Replaces S5-232665)

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

**S5-232965 Draft TR 28.834**

*Type: draft TR For: Approval  
 28.834 v0.5.0  
 Source: China Mobile*

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

**S5-233158 Cover sheet TR 28.834**

*Type: TS or TR cover For: Approval  
 28.834 v..  
 Source: China Mobile*

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

#### 6.8.6 Study on Management Aspects of 5G MOCN Network Sharing Phase2

##### 6.8.6.1 FS\_MANS\_ph2\_WoP#1

**S5-232519 Add conclusion and recommendation for issue #1**

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

**Decision:** The document was **revised to S5-232971**.

**S5-232971 Add conclusion and recommendation for issue #1**

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

(Replaces S5-232519)

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

**S5-232520 Add conclusion and recommendation for issue #2**

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

**Decision:** The document was **revised to S5-232969**.

**S5-232969 Add conclusion and recommendation for issue #2**

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

(Replaces S5-232520)

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

**S5-232521 Add conclusion and recommendation for issue #3**

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

**Decision:** The document was **revised to S5-233126**.

**S5-233126 Add conclusion and recommendation for issue #3**

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

(Replaces S5-232521)

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

**S5-232522 Add conclusion and recommendation for issue #5**

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

**Decision:** The document was **revised to S5-233127**.

**S5-233127 Add conclusion and recommendation for issue #5**

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

(Replaces S5-232522)

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

**S5-232523 Add conclusion and recommendation for issue #7**

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

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

**S5-232524 Add conclusion and recommendation for issue #8**

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

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

**S5-232525 Add conclusion and recommendation for issue #4**

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

**Decision:** The document was **revised to S5-232973**.

**S5-232973 Add conclusion and recommendation for issue #4**

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

(Replaces S5-232525)

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

**S5-232526 Add conclusion and recommendation for issue #6**

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

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

**S5-232637 pCR TR 28.835 Add recommendation for KI#2**

*Type: pCR For: Approval  
 28.835 v0.5.0  
 Source: ZTE Corporation*

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

**S5-232653 pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements**

*Type: pCR For: Approval  
 28.835 v0.5.0  
 Source: ZTE Corporation*

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

**S5-232976 pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements**

*Type: pCR For: Approval  
 28.835 v0.5.0  
 Source: ZTE Corporation*

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

**S5-232972 Draft TR 28.835**

*Type: draft TR For: Approval  
 28.835 v0.6.0  
 Source: China Unicom*

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

##### 6.8.6.2 FS\_MANS\_ph2\_WoP#2

##### 6.8.6.3 FS\_MANS\_ph2\_WoP#3

#### 6.8.7 Study on Management of Trace/MDT phase 2

##### 6.8.7.1 FS\_5GMDT\_Ph2\_WoP#1

##### 6.8.7.2 FS\_5GMDT\_Ph2\_WoP#2

**S5-232156 pCR TR28.837 Potential Solution and conclusion for name containment of Trace job in Signalling based trace activation**

*Type: pCR For: Approval  
 28.837 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232157 pCR TR28.837 Potential Solution and conclusion for reporting of per direction per DRB measurements**

*Type: pCR For: Approval  
 28.837 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232158 pCR TR28.837 Potential Solution and conclusion for structuring of Trace job IOC**

*Type: pCR For: Approval  
 28.837 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232977 Draft TR 28.837**

*Type: draft TR For: Approval  
 28.837 v0.6.0  
 Source: Nokia*

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

##### 6.8.7.3 FS\_5GMDT\_Ph2\_WoP#3

##### 6.8.7.4 FS\_5GMDT\_Ph2\_WoP#4

**S5-232147 Overview of Trace Management of Non-Public Networks**

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

**Decision:** The document was **revised to S5-232978**.

**S5-232978 Overview of Trace Management of Non-Public Networks**

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

(Replaces S5-232147)

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

**S5-232152 pCR TR28.837 NPN\_KI\_1 Problem Statement for support of NPN for TraceMDT**

*Type: pCR For: Approval  
 28.837 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232979**.

**S5-232979 pCR TR28.837 NPN\_KI\_1 Problem Statement for support of NPN for TraceMDT**

*Type: pCR For: Approval  
 28.837 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232152)

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

**S5-232153 pCR TR28.837 NPN\_KI\_1 Solution and conclusion for support of NPN for TraceMDT**

*Type: pCR For: Approval  
 28.837 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232154 pCR TR28.837 NPN\_KI\_2 Problem Statement to support RLF and RCEF reports for NPN**

*Type: pCR For: Approval  
 28.837 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232980**.

**S5-232980 pCR TR28.837 NPN\_KI\_2 Problem Statement to support RLF and RCEF reports for NPN**

*Type: pCR For: Approval  
 28.837 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232154)

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

**S5-232155 pCR TR28.837 NPN\_KI\_2 Solution and conclusion to support RLF and RCEF reports for NPN**

*Type: pCR For: Approval  
 28.837 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.8.7.5 FS\_5GMDT\_Ph2\_WoP#5

##### 6.8.7.6 FS\_5GMDT\_Ph2\_WoP#6

##### 6.8.7.7 FS\_5GMDT\_Ph2\_WoP#7

##### 6.8.7.8 FS\_5GMDT\_Ph2\_WoP#8

**S5-232151 pCR TR28.837 Conclusions and Recommendations**

*Type: pCR For: Approval  
 28.837 v0.5.0  
 Source: Nokia, Nokia Shanghai Bell*

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

#### 6.8.8 Study on Management Aspects of IoT NTN Enhancements

##### 6.8.8.1 FS\_IOT\_NTN\_WoP#1

**S5-232644 pCR 28.841 Add use case for NTN mobility management enhancement**

*Type: pCR For: Approval  
 28.841 v0.4.0  
 Source: CATT*

**Decision:** The document was **revised to S5-232867**.

**S5-232867 pCR 28.841 Add use case for NTN mobility management enhancement**

*Type: pCR For: Approval  
 28.841 v0.4.0  
 Source: CATT*

(Replaces S5-232644)

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

**S5-232645 pCR 28.841 Add potential requirement for NTN mobility management enhancement**

*Type: pCR For: Approval  
 28.841 v0.4.0  
 Source: CATT*

**Decision:** The document was **revised to S5-232868**.

**S5-232868 pCR 28.841 Add potential requirement for NTN mobility management enhancement**

*Type: pCR For: Approval  
 28.841 v0.4.0  
 Source: CATT*

(Replaces S5-232645)

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

**S5-233160 Cover sheet TR 28.841**

*Type: TS or TR cover For: Approval  
 28.841 v-  
 Source: China Unicom*

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

##### 6.8.8.2 FS\_IOT\_NTN\_WoP#2

**S5-232646 pCR 28.841 Add possible solution for NTN mobility management enhancement**

*Type: pCR For: Approval  
 28.841 v0.4.0  
 Source: CATT*

**Decision:** The document was **revised to S5-232869**.

**S5-232869 pCR 28.841 Add possible solution for NTN mobility management enhancement**

*Type: pCR For: Approval  
 28.841 v0.4.0  
 Source: CATT*

(Replaces S5-232646)

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

##### 6.8.8.3 FS\_IOT\_NTN\_WoP#3

**S5-232437 pCR 28.841 add management architectures for satellite components**

*Type: pCR For: Approval  
 28.841 v0.3.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-232870**.

**S5-232870 pCR 28.841 add management architectures for satellite components**

*Type: pCR For: Approval  
 28.841 v0.3.0  
 Source: China Unicom*

(Replaces S5-232437)

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

**S5-232438 pCR 28.841 add references and abbreviations**

*Type: pCR For: Approval  
 28.841 v0.3.0  
 Source: China Unicom*

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

**S5-232439 pCR 28.841 Rapporteur clean up**

*Type: pCR For: Approval  
 28.841 v0.3.0  
 Source: China Unicom*

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

**S5-232440 pCR 28.841 add conclusions and recommendations**

*Type: pCR For: Approval  
 28.841 v0.3.0  
 Source: China Unicom, CATT*

**Decision:** The document was **revised to S5-232871**.

**S5-232871 pCR 28.841 add conclusions and recommendations**

*Type: pCR For: Approval  
 28.841 v0.3.0  
 Source: China Unicom, CATT*

(Replaces S5-232440)

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

**S5-232899 Draft TR 28.841**

*Type: draft TR For: Approval  
 28.841 v0.4.0  
 Source: China Unicom*

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

#### 6.8.9 Study on Data management phase 2

##### 6.8.9.1 FS\_MADCOL\_ph2\_WoP#1

**S5-232401 pCR TR 28.842 New KI on discovery of stored management data**

*Type: pCR For: (not specified)  
 28.842 v0.1.0  
 Source: Microsoft Europe SARL*

**Decision:** The document was **revised to S5-232872**.

**S5-232872 pCR TR 28.842 New KI on discovery of stored management data**

*Type: pCR For: -  
 28.842 v0.1.0  
 Source: Microsoft Europe SARL*

(Replaces S5-232401)

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

**S5-232718 Add key issue on enhancing the description of management data**

*Type: pCR For: Approval  
 28.842 v0.1.0  
 Source: Nokia Germany*

**Decision:** The document was **revised to S5-232873**.

**S5-232873 Add key issue on enhancing the description of management data**

*Type: pCR For: Approval  
 28.842 v0.1.0  
 Source: Nokia Germany*

(Replaces S5-232718)

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

##### 6.8.9.2 FS\_MADCOL\_ph2\_WoP#2

**S5-232402 pCR TR 28.842 New KI on storage of management data**

*Type: pCR For: (not specified)  
 28.842 v0.1.0  
 Source: Microsoft Europe SARL*

**Decision:** The document was **revised to S5-232874**.

**S5-232874 pCR TR 28.842 New KI on storage of management data**

*Type: pCR For: -  
 28.842 v0.1.0  
 Source: Microsoft Europe SARL*

(Replaces S5-232402)

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

**S5-233168 Draft TR 28.842**

*Type: draft TR For: Approval  
 28.842 v0.2.0  
 Source: Nokia*

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

##### 6.8.9.3 FS\_MADCOL\_ph2\_WoP#3

**S5-232403 pCR TR 28.842 New KI on enhancing control of management data production**

*Type: pCR For: (not specified)  
 28.842 v0.1.0  
 Source: Microsoft Europe SARL*

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

##### 6.8.9.4 FS\_MADCOL\_ph2\_WoP#4

### 6.9 Support of New Services

#### 6.9.1 Study on enhancement of management of non-public networks

##### 6.9.1.1 FS\_OAM\_eNPN\_WoP#1

**S5-232407 pCR 28.907 Update conclusion for KI resource isolation demand for Smart Grid Utilities**

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

**Decision:** The document was **revised to S5-232875**.

**S5-232875 pCR 28.907 Update conclusion for KI resource isolation demand for Smart Grid Utilities**

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

(Replaces S5-232407)

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

**S5-232409 pCR 28.907 Conclusion for KI exposure of management capabilities and corresponding managed resources**

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

**Decision:** The document was **revised to S5-232878**.

**S5-232878 pCR 28.907 Conclusion for KI exposure of management capabilities and corresponding managed resources**

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

(Replaces S5-232409)

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

**S5-232410 Update SID on enhancement of management of NPN**

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

**Decision:** The document was **revised to S5-232879**.

**S5-232879 Update SID on enhancement of management of NPN**

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

(Replaces S5-232410)

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

**S5-232411 pCR 28.907 Rapporteur proposal**

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

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

**S5-232412 Presentation sheet of TR 28.907 for SA Approval**

*Type: TS or TR cover For: Approval  
 28.907 v..  
 Source: Huawei*

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

**S5-232880 Draft TR 28.907**

*Type: draft TR For: Approval  
 28.907 v1.2.0  
 Source: Huawei*

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

##### 6.9.1.2 FS\_OAM\_eNPN\_WoP#2

**S5-232406 pCR 28.907 Conclusion for KI management of NPN service customer**

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

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

##### 6.9.1.3 FS\_OAM\_eNPN\_WoP#3

**S5-232408 pCR 28.907 Conclusion for KI SLA monitoring and evaluation**

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

**Decision:** The document was **revised to S5-232881**.

**S5-232881 pCR 28.907 Conclusion for KI SLA monitoring and evaluation**

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

(Replaces S5-232408)

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

##### 6.9.1.4 FS\_OAM\_eNPN\_WoP#4

#### 6.9.2 Study on new aspects of EE for 5G networks Phase 2

##### 6.9.2.1 FS\_EE5G\_Ph2\_WoP#1

**S5-232066 pCR 28.913 Potential solution #2 for KI#4 - EE KPI for V2X**

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

**Decision:** The document was **revised to S5-232884**.

**S5-232884 pCR 28.913 Potential solution #2 for KI#4 - EE KPI for V2X**

*Type: pCR For: Approval  
 28.913 v0.4.0  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-232066)

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

**S5-232539 Add New Key issue on Energy Efficiency of URLLC network slice- RAN based**

*Type: pCR For: Approval  
 28.913 v0.4.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-232711**.

**S5-232540 Add potential solution for Energy Efficiency KPI of URLLC Network Slice based on both latency and reliability**

*Type: pCR For: Approval  
 28.913 v0.4.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-232712**.

**S5-232700 Rel-18 pCR 28.913 Add Conclusion and Recommendation for Key Issue 6**

*Type: pCR For: Approval  
 28.913 v0.4.0  
 Source: BEIJING SAMSUNG TELECOM R&D*

**Decision:** The document was **revised to S5-232883**.

**S5-232883 Rel-18 pCR 28.913 Add Conclusion and Recommendation for Key Issue 6**

*Type: pCR For: Approval  
 28.913 v0.4.0  
 Source: BEIJING SAMSUNG TELECOM R&D*

(Replaces S5-232700)

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

**S5-232711 Add New Key issue on Energy Efficiency of URLLC network slice- RAN based**

*Type: pCR For: Approval  
 28.913 v0.4.0  
 Source: China Unicom, China Telecom*

(Replaces S5-232539)

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

**S5-232882 Add New Key issue on Energy Efficiency of URLLC network slice- RAN based**

*Type: pCR For: Approval  
 28.913 v0.4.0  
 Source: China Unicom, China Telecom*

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

**S5-232712 Add potential solution for Energy Efficiency KPI of URLLC Network Slice based on both latency and reliability**

*Type: pCR For: Approval  
 28.913 v0.4.0  
 Source: China Unicom, China Telecom*

(Replaces S5-232540)

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

##### 6.9.2.2 FS\_EE5G\_Ph2\_WoP#2

**S5-232067 pCR 28.913 Clean up KI#8 - Energy Saving compensation procedure**

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

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

**S5-232068 pCR 28.913 Potential solution for KI#10 - Digital Sobriety**

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

**Decision:** The document was **revised to S5-232885**.

**S5-232885 pCR 28.913 Potential solution for KI#10 - Digital Sobriety**

*Type: pCR For: Approval  
 28.913 v0.4.0  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-232068)

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

**S5-232069 pCR 28.913 Potential solution for KI#9**

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

**Decision:** The document was **revised to S5-232886**.

**S5-232886 pCR 28.913 Potential solution for KI#9**

*Type: pCR For: Approval  
 28.913 v0.4.0  
 Source: Huawei,Samsung*

(Replaces S5-232069)

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

**S5-233169 Draft TR 28.913**

*Type: draft TR For: Approval  
 28.913 v0.5.0  
 Source: Huawei*

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

#### 6.9.3 Study on Network and Service Operations for Energy Utilities

##### 6.9.3.1 FS\_NSOEU\_WoP#1

##### 6.9.3.2 FS\_NSOEU\_WoP#2

##### 6.9.3.3 FS\_NSOEU\_WoP#3

##### 6.9.3.4 FS\_NSOEU\_WoP#4

**S5-232656 Rel-18 pCR 28.829 Completion of 7.1.2.1**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

**Abstract:**

Removes editor's notes from 7.1.2.1

**Decision:** The document was **revised to S5-232850**.

**S5-232850 Rel-18 pCR 28.829 Completion of 7.1.2.1**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

(Replaces S5-232656)

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

**S5-232658 Rel-18 pCR 28.829 Clean Up 6.1, 6.3**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

**Abstract:**

This pCR revises unclear objectives of 'base line' (do nothing) use cases in the FS\_NSOEU study.

**Decision:** The document was **revised to S5-232851**.

**S5-232851 Rel-18 pCR 28.829 Clean Up 6.1, 6.3**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

(Replaces S5-232658)

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

**S5-232659 Rel-18 pCR 28.829 Update 6.4, 6.5, 6.6**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

**Abstract:**

This pCR revises unclear objectives of 'base line' (do nothing) use cases in the FS\_NSOEU study.

**Decision:** The document was **revised to S5-232852**.

**S5-232852 Rel-18 pCR 28.829 Update 6.4, 6.5, 6.6**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

(Replaces S5-232659)

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

##### 6.9.3.5 FS\_NSOEU\_WoP#5

##### 6.9.3.6 FS\_NSOEU\_WoP#6

##### 6.9.3.7 FS\_NSOEU\_WoP#7

**S5-232657 Rel-18 pCR 28.829 Discontinuing work on objective #2**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

**Abstract:**

This pCR seeks to acknowlege that objective #2 in the FS\_NSOEU study will not be pursued in this release.

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

**S5-232853 Draft TR 28.829**

*Type: draft TR For: Approval  
 28.829 v0.6.0  
 Source: Samsung*

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

##### 6.9.3.8 FS\_NSOEU\_WoP#8

##### 6.9.3.9 FS\_NSOEU\_WoP#9

**S5-232660 Rel-18 pCR 28.829 – Update 6.7**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

**Abstract:**

This pCR makes minor changes in 6.7 for editorial clean up.

**Decision:** The document was **revised to S5-232854**.

**S5-232854 Rel-18 pCR 28.829 – Update 6.7**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK,Nokia*

(Replaces S5-232660)

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

**S5-232661 Rel-18 pCR 28.829 – Update 6.8**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

**Abstract:**

This pCR makes minor changes in 6.8 for clarity and correctness.

**Decision:** The document was **revised to S5-232856**.

**S5-232856 Rel-18 pCR 28.829 – Update 6.8**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

(Replaces S5-232661)

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

**S5-232670 Rel-18 pCR 28.829 – Update 6.1**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-232857**.

**S5-232857 Rel-18 pCR 28.829 – Update 6.1**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

(Replaces S5-232670)

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

**S5-232671 Rel-18 pCR 28.829 – Update 6.2**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

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

**S5-232672 Rel-18 pCR 28.829 – Update 6.3**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-232858**.

**S5-232858 Rel-18 pCR 28.829 – Update 6.3**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

(Replaces S5-232672)

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

**S5-232673 Rel-18 pCR 28.829 – Update 6.4**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

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

**S5-232674 Rel-18 pCR 28.829 – Update 6.5**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-232859**.

**S5-232859 Rel-18 pCR 28.829 – Update 6.5**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

(Replaces S5-232674)

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

**S5-232675 Rel-18 pCR 28.829 – Update 6.6**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

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

**S5-232676 Rel-18 pCR 28.829 – Update 6.7**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

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

**S5-232677 Rel-18 pCR 28.829 – Update 6.8**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-232855**.

**S5-232855 Rel-18 pCR 28.829 – Update 6.8**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

(Replaces S5-232677)

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

**S5-232678 Rel-18 pCR 28.829 – Update 7**

*Type: pCR For: Agreement  
 28.829 v0.5.0  
 Source: Nokia*

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

##### 6.9.3.10 FS\_NSOEU\_WoP#10

**S5-232647 Rel-18 pCR 28.829 – Key Issue for Energy utility and telecommunication coordinated rapid recovery of energy service**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK, Deutsche Telekom*

**Abstract:**

This document proposes the KI for the use case of Energy utility and telecommunication coordinated recovery of energy service as mentioned in clause 6.8 of TR 28.829 [2].

**Decision:** The document was **revised to S5-232896**.

**S5-232896 Rel-18 pCR 28.829 – Key Issue for Energy utility and telecommunication coordinated rapid recovery of energy service**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK, Deutsche Telekom*

(Replaces S5-232647)

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

**S5-232649 Rel-18 pCR 28.829 – Potential Solution for Energy utility and telecommunication coordinated rapid recovery of energy service**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK, Deutsche Telekom*

**Abstract:**

This document proposes the potential solution for the Key Issue of Energy utility and telecommunication coordinated recovery of energy service outage as mentioned in clause 6.8 and 6.X of TR 28.829 [2].

**Decision:** The document was **revised to S5-232897**.

**S5-232897 Rel-18 pCR 28.829 – Potential Solution for Energy utility and telecommunication coordinated rapid recovery of energy service**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK, Deutsche Telekom*

(Replaces S5-232649)

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

**S5-232650 Rel-18 pCR 28.829 – New use case for Rapid Intervention for Outages without Redundant Topology**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK, Deutsche Telekom*

**Abstract:**

This document proposes the potential solution for the Key Issue of Energy utility and telecommunication coordinated recovery of energy service outage as mentioned in clause 6.8 and 6.9 of TR 28.829 [2].

**Decision:** The document was **revised to S5-232898**.

**S5-232898 Rel-18 pCR 28.829 – New use case for Rapid Intervention for Outages without Redundant Topology**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK, Deutsche Telekom*

(Replaces S5-232650)

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

##### 6.9.3.11 FS\_NSOEU\_WoP#11

##### 6.9.3.12 FS\_NSOEU\_WoP#12

##### 6.9.3.13 FS\_NSOEU\_WoP#13

**S5-232640 Rel-18 pCR 28.829 – Conclusion and Recommendation for Key Issue 1 - MNO exposes Network Performance Monitoring to DSO**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK, Deutsche Telekom*

**Abstract:**

This document proposes the conclusion and recommendation for KI for the use case of MNO exposes Network Performance Monitoring to DSO as mentioned in clause 7.1 of TR 28.829 [2].

**Decision:** The document was **revised to S5-232894**.

**S5-232894 Rel-18 pCR 28.829 – Conclusion and Recommendation for Key Issue 1 - MNO exposes Network Performance Monitoring to DSO**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK, Deutsche Telekom*

(Replaces S5-232640)

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

**S5-232641 Rel-18 pCR 28.829 – Conclusion and Recommendation for Key Issue i (energy utility and telecommunication coordinated recovery of energy service)**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

**Abstract:**

This document proposes the conclusion and recommendation for KI for the use case of energy utility and telecommunication coordinated recovery of energy service as mentioned in clause 6.8 of TR 28.829 [2]

**Decision:** The document was **revised to S5-232895**.

**S5-232895 Rel-18 pCR 28.829 – Conclusion and Recommendation for Key Issue i (energy utility and telecommunication coordinated recovery of energy service)**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung, EUTC, EDF, BMWK*

(Replaces S5-232641)

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

**S5-232652 Presentation of Report to TSG: TR 28.829, Version 0.6.0**

*Type: TS or TR cover For: Approval  
 28.829 v0.5.0  
 Source: Samsung*

**Abstract:**

Send TR 28.829 to TSG SA for information and approval

**Decision:** The document was **revised to S5-233064**.

**S5-233064 Presentation of Report to TSG: TR 28.829, Version 1.0.0**

*Type: TS or TR cover For: Approval  
 28.829 v0.5.0  
 Source: Samsung*

(Replaces S5-232652)

**Decision:** The document was **revised to S5-233159**.

**S5-233159 Presentation of Report to TSG: TR 28.829, Version 1.0.0**

*Type: TS or TR cover For: Approval  
 28.829 v0.5.0  
 Source: Samsung*

(Replaces S5-233064)

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

**S5-232655 28829 pCR Annex on NSOEU Applicability**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung*

**Abstract:**

This annex clarifies the applicability of the NSOEU feature, if concluded. It addresses considerations of how NSOEU relate to NSCE [1] and CAMARA [2].

**Decision:** The document was **revised to S5-233065**.

**S5-233065 28829 pCR Annex on NSOEU Applicability**

*Type: pCR For: Approval  
 28.829 v0.5.0  
 Source: Samsung*

(Replaces S5-232655)

**Discussion:**

Samsung clarified that further work was required and the annex would be improved next meeting.

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

**S5-232663 FS\_NSOEU and NSOEU WoP**

*Type: other For: Approval  
 Source: Samsung*

**Abstract:**

This document proposes work packages for coming meetings for NSOEU.

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

**S5-233066 FS\_NSOEU and NSOEU WoP**

*Type: other For: Approval  
 Source: Samsung*

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

#### 6.9.4 Study on Key Quality Indicators (KQIs)for 5G service experience

##### 6.9.4.1 FS\_KQI\_5G\_WoP#1

**S5-232541 pCR TR 28.863 Issue #1 Concept of KQI**

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

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

**S5-232668 pCR TR 28.863 definition of KQI**

*Type: pCR For: Agreement  
 28.863 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-233108**.

**S5-233108 pCR TR 28.863 definition of KQI**

*Type: pCR For: Agreement  
 28.863 v0.4.0  
 Source: Nokia,Huawei*

(Replaces S5-232668)

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

##### 6.9.4.2 FS\_KQI\_5G\_WoP#2

**S5-232542 pCR TR 28.863 Issue3 Video uploading description**

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

**Decision:** The document was **revised to S5-232866**.

**S5-232866 pCR TR 28.863 Issue3 Video uploading description**

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

(Replaces S5-232542)

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

##### 6.9.4.3 FS\_KQI\_5G\_WoP#3

**S5-232545 pCR TR 28.863 Issue4 Remote control description**

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

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

**S5-232669 pCR TR 28.863 definition of Remote controlling**

*Type: pCR For: Agreement  
 28.863 v0.4.0  
 Source: Nokia*

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

**S5-233170 Draft TR 28.863**

*Type: draft TR For: Approval  
 28.863 v0.5.0  
 Source: Huawei*

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

##### 6.9.4.4 FS\_KQI\_5G\_WoP#4

##### 6.9.4.5 FS\_KQI\_5G\_WoP#5

**S5-232546 pCR TR 28.863 Issue5 Description of SLS requirements**

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

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

#### 6.9.5 Study on Deterministic Communication Service Assurance

##### 6.9.5.1 FS\_DCSA\_WoP#1

**S5-232553 pCR TR 28.865 Add requirements for DCSA**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232849**.

**S5-232849 pCR TR 28.865 Add requirements for DCSA**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

(Replaces S5-232553)

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

**S5-233171 Draft TR 28.865**

*Type: draft TR For: Approval  
 28.865 v0.4.0  
 Source: Huawei*

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

##### 6.9.5.2 FS\_DCSA\_WoP#2

**S5-232554 pCR TR 28.865 Add solution of network capability preparation**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232889**.

**S5-232889 pCR TR 28.865 Add solution of network capability preparation**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

(Replaces S5-232554)

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

**S5-232555 pCR TR 28.865 Add solution of service and network analysis**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-233133**.

**S5-233133 pCR TR 28.865 Add solution of service and network analysis**

*Type: pCR For: Approval  
 28.865 v0.3.0  
 Source: Huawei*

(Replaces S5-232555)

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

##### 6.9.5.3 FS\_DCSA\_WoP#3

##### 6.9.5.4 FS\_DCSA\_WoP#4

##### 6.9.5.5 FS\_DCSA\_WoP#5

#### 6.9.6 Study on management aspects of network slice management capability exposure

##### 6.9.6.1 FS\_NSCE\_WoP#1

##### 6.9.6.2 FS\_NSCE\_WoP#2

##### 6.9.6.3 FS\_NSCE\_WoP#3

**S5-232308 pCR 28.824 Clarify usage of CAPIF-1 and CAPIF-1e**

*Type: pCR For: Approval  
 28.824 v0.10.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232890**.

**S5-232890 pCR 28.824 Clarify usage of CAPIF-1 and CAPIF-1e**

*Type: pCR For: Approval  
 28.824 v0.10.0  
 Source: Huawei*

(Replaces S5-232308)

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

**S5-233172 Draft TR 28.824**

*Type: draft TR For: Approval  
 28.824 v0.11.0  
 Source: Alibaba*

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

##### 6.9.6.4 FS\_NSCE\_WoP#4

**S5-232451 pCR 28.824 Add Conclusion for network slice management capability exposure via CAPIF**

*Type: pCR For: Approval  
 28.824 v0.10.0  
 Source: Alibaba (China) Group., Ltd. AsiaInfo*

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

**S5-232537 NaaS ecosystem and 3GPP SA5 work on capability exposure**

*Type: discussion For: Discussion  
 28.824 v..  
 Source: TELEFONICA S.A., AT&T, Deustche Telekom*

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

**S5-232538 SA5 way forward on capability exposure topic**

*Type: discussion For: Endorsement  
 28.824 v..  
 Source: TELEFONICA S.A.*

**Decision:** The document was **revised to S5-232893**.

**S5-232893 SA5 way forward on capability exposure topic**

*Type: discussion For: Endorsement  
 28.824 v..  
 Source: TELEFONICA S.A.*

(Replaces S5-232538)

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

**S5-232566 pCR 28.824 Add Conclusion for network slice management capability exposure via CAPIF**

*Type: pCR For: Approval  
 28.824 v0.10.0  
 Source: Alibaba Group, AsiaInfo*

**Decision:** The document was **revised to S5-232900**.

**S5-232900 pCR 28.824 Add Conclusion for network slice management capability exposure via CAPIF**

*Type: pCR For: Approval  
 28.824 v0.10.0  
 Source: Alibaba Group, AsiaInfo*

(Replaces S5-232566)

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

**S5-233164 Draft TR 28.824**

*Type: draft TR For: Approval  
 28.824 v0.11.0  
 Source: Alibaba*

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

#### 6.9.7 Study on alignment with ETSI MEC for Edge computing management

##### 6.9.7.1 FS\_MEC\_ECM\_WoP#1

##### 6.9.7.2 FS\_MEC\_ECM\_WoP#2

**S5-232309 pCR 28.903 add potential solution for resource reservation**

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

**Decision:** The document was **revised to S5-232864**.

**S5-232864 pCR 28.903 add potential solution for resource reservation**

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

(Replaces S5-232309)

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

**S5-232310 pCR 28.903 add potential solution for application LCM with MEC-v2**

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

**Decision:** The document was **revised to S5-233046**.

**S5-233046 pCR 28.903 add potential solution for application LCM with MEC-v2**

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

(Replaces S5-232310)

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

**S5-232470 pCR 28.903 Add KI for Federation Management**

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

**Decision:** The document was **revised to S5-232861**.

**S5-232861 pCR 28.903 Add KI for Federation Management**

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

(Replaces S5-232470)

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

**S5-232471 pCR 28.903 NBI Related Key Issues**

*Type: pCR For: Agreement  
 28.903 v0.4.0  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-232862**.

**S5-232862 pCR 28.903 NBI Related Key Issues**

*Type: pCR For: Agreement  
 28.903 v0.4.0  
 Source: Samsung R&D Institute UK*

(Replaces S5-232471)

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

**S5-232473 pCR 28.903 NBI Related Solutions**

*Type: pCR For: Agreement  
 28.903 v0.4.0  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-232863**.

**S5-232863 pCR 28.903 NBI Related Solutions**

*Type: pCR For: Agreement  
 28.903 v0.4.0  
 Source: Samsung R&D Institute UK*

(Replaces S5-232473)

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

**S5-232474 pCR 28.903 GSMA OP and ECM Concept Mapping**

*Type: pCR For: Agreement  
 28.903 v0.4.0  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-232865**.

**S5-232865 pCR 28.903 GSMA OP and ECM Concept Mapping**

*Type: pCR For: Agreement  
 28.903 v0.4.0  
 Source: Samsung R&D Institute UK*

(Replaces S5-232474)

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

**S5-232509 pCR 28.903 EWBI Related Key Issues**

*Type: pCR For: Agreement  
 28.903 v0.4.0  
 Source: Samsung R&D Institute UK*

**Decision:** The document was **revised to S5-232860**.

**S5-232860 pCR 28.903 EWBI Related Key Issues**

*Type: pCR For: Agreement  
 28.903 v0.4.0  
 Source: Samsung R&D Institute UK*

(Replaces S5-232509)

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

**S5-233173 Draft TR 28.903**

*Type: draft TR For: Approval  
 28.903 v0.5.0  
 Source: Huawei*

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

### 6.10 Latest draft TS/TR email approvals

## 7 Charging

### 7.1 Charging Plenary

**S5-232008 CH agenda and time plan**

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

**Decision:** The document was **revised to S5-232721**.

**S5-232721 CH agenda and time plan**

*Type: agenda For: -  
 Source: WG vice Chair (Matrixx Software)*

(Replaces S5-232008)

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

**S5-232009 Charging exec report**

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

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

**S5-232019 LS out Rel17 Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-225411*

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

**S5-232023 Resubmitted LS reply to 3GPP SA2 on shared EHE and HR PDU session with SBO in V-PLMN**

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

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

**S5-232029 Resubmitted LS on shared EHE and HR PDU session with SBO in V-PLMN**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2209884*

**Decision:** The document was **replied to in S5-232734**.

**S5-232734 LS Reply on shared EHE and HR PDU session with SBO in V-PLMN**

*Type: LS out For: approval  
 to SA2,GSMA OPG, cc SA  
 Source: MATRIXX Software*

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

**S5-232032 LS about CHF Logic Realization wrt/ Spending Limits functionality**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2301634*

**Decision:** The document was **replied to in S5-232735**.

**S5-232244 Reply LS on CHF Logic Realization wrt/ Spending Limits functionality**

*Type: LS out For: Approval  
 to 3GPP SA2, cc 3GPP CT3  
 Source: China Telecommunications*

**Decision:** The document was **revised to S5-232735**.

**S5-232735 Reply LS on CHF Logic Realization wrt/ Spending Limits functionality**

*Type: LS out For: Approval  
 to 3GPP SA2, cc 3GPP CT3  
 Source: China Telecommunications*

(Replaces S5-232244)

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

**S5-232505 Collection of useful charging endorsed and external communication documents**

*Type: discussion For: Agreement  
 Source: Huawei*

**Decision:** The document was **revised to S5-233031**.

**S5-233031 Collection of useful charging endorsed and external communication documents**

*Type: discussion For: Agreement  
 Source: Huawei*

(Replaces S5-232505)

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

**S5-232765 Reply LS on controlling number of UEs and PDU sessions for NPN**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2303687*

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

**S5-232777 LS on charging aspects for Ranging/Sidelink Positioning**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2303231*

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

### 7.2 New Charging Work Item proposals

**S5-232142 New WID on CHF Distributed Availability**

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

**Decision:** The document was **revised to S5-232739**.

**S5-232739 New WID on CHF Distributed Availability**

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

(Replaces S5-232142)

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

**S5-232221 Revision of SP-221159 WID on Charging Aspects of Network Slicing Phase 2**

*Type: WID revised For: Approval  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-232736**.

**S5-232736 Revision of SP-221159 WID on Charging Aspects of Network Slicing Phase 2**

*Type: WID revised For: Approval  
 Source: MATRIXX Software*

(Replaces S5-232221)

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

**S5-232267 Rescoping of the Study on Structure of Charging for Verticals**

*Type: discussion For: Endorsement  
 Source: VODAFONE Group Plc*

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

**S5-232430 New WID on Charging Aspects for Enhanced Support of Non-Public Networks**

*Type: WID new For: Approval  
 Source: China Mobile*

**Decision:** The document was **revised to S5-232737**.

**S5-232737 New WID on Charging Aspects for Enhanced Support of Non-Public Networks**

*Type: WID new For: Approval  
 Source: China Mobile*

(Replaces S5-232430)

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

**S5-232654 Decomposing Charging Function by Domain**

*Type: discussion For: Agreement  
 Source: Amdocs Software Systems Ltd*

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

**S5-232667 Rescoping of New Study on Structure of Charging for Verticals**

*Type: SID revised For: Approval  
 Source: VODAFONE Group Plc*

**Abstract:**

Rescoping of New Study on Structure of Charging for Verticals

**Decision:** The document was **revised to S5-232738**.

**S5-232738 Rescoping of New Study on Structure of Charging for Verticals**

*Type: SID revised For: Approval  
 Source: VODAFONE Group Plc*

(Replaces S5-232667)

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

**S5-232800 New WID on Charging Aspects for NSSAA of Network Slicing Phase 2**

*Type: WID new For: Agreement  
 Source: MATRIXX Software*

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

### 7.3 Charging Maintenance and Rel-18 small Enhancements

**S5-232143 Rel-18 CR 32.291 IMS Charging Diagnostics**

*Type: CR For: Approval  
 32.291 v18.0.0 CR-0452 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233026**.

**S5-233026 Rel-18 CR 32.291 IMS Charging Diagnostics**

*Type: CR For: Approval  
 32.291 v18.0.0 CR-0452 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232143)

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

**S5-232201 Rel-18 CR 32.291 UsedUnitContainer and MultipleUnitUsage Description Enhancement**

*Type: CR For: Approval  
 32.291 v18.0.0 CR-0453 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-233030**.

**S5-233030 Rel-18 CR 32.291 UsedUnitContainer and MultipleUnitUsage Description Enhancement**

*Type: CR For: Approval  
 32.291 v18.0.0 CR-0453 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232201)

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

**S5-232229 Rel-17 CR 32.291 Add EAS Deployment Requirements**

*Type: CR For: Approval  
 32.291 v17.5.0 CR-0454 Cat: F (Rel-17)  
  
 Source: Amdocs Software Systems Ltd*

**Decision:** The document was **revised to S5-232919**.

**S5-232919 Rel-17 CR 32.291 Add EAS Deployment Requirements**

*Type: CR For: Approval  
 32.291 v17.5.0 CR-0454 rev 1 Cat: F (Rel-17)  
  
 Source: Amdocs Software Systems Ltd*

(Replaces S5-232229)

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

**S5-232230 Rel-18 CR 32.291 Add EAS Deployment Requirements**

*Type: CR For: Approval  
 32.291 v18.0.0 CR-0455 Cat: A (Rel-18)  
  
 Source: Amdocs Software Systems Ltd*

**Decision:** The document was **revised to S5-232920**.

**S5-232920 Rel-18 CR 32.291 Add EAS Deployment Requirements**

*Type: CR For: Approval  
 32.291 v18.0.0 CR-0455 rev 1 Cat: A (Rel-18)  
  
 Source: Amdocs Software Systems Ltd*

(Replaces S5-232230)

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

**S5-232231 Rel-17 32.298 Add Missing RAT Types in CHF CDRs**

*Type: CR For: Approval  
 32.298 v17.5.0 CR-0925 Cat: F (Rel-17)  
  
 Source: Amdocs Software Systems Ltd*

**Decision:** The document was **revised to S5-233024**.

**S5-233024 Rel-17 32.298 Add Missing RAT Types in CHF CDRs**

*Type: CR For: Approval  
 32.298 v17.5.0 CR-0925 rev 1 Cat: F (Rel-17)  
  
 Source: Amdocs Software Systems Ltd*

(Replaces S5-232231)

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

**S5-232232 Rel-18 32.298 Add Missing RAT Types in CHF CDRs**

*Type: CR For: Approval  
 32.298 v18.0.0 CR-0926 Cat: A (Rel-18)  
  
 Source: Amdocs Software Systems Ltd*

**Decision:** The document was **revised to S5-233025**.

**S5-233025 Rel-18 32.298 Add Missing RAT Types in CHF CDRs**

*Type: CR For: Approval  
 32.298 v18.0.0 CR-0926 rev 1 Cat: A (Rel-18)  
  
 Source: Amdocs Software Systems Ltd*

(Replaces S5-232232)

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

**S5-232233 Rel-17 CR 32.240 Add Missing Consumer in Charging Architecture**

*Type: CR For: Approval  
 32.240 v17.8.0 CR-0453 Cat: F (Rel-17)  
  
 Source: Amdocs Software Systems Ltd*

**Decision:** The document was **revised to S5-232946**.

**S5-232946 Rel-17 CR 32.240 Add Missing Consumer in Charging Architecture**

*Type: CR For: Approval  
 32.240 v17.8.0 CR-0453 rev 1 Cat: F (Rel-17)  
  
 Source: Amdocs Software Systems Ltd*

(Replaces S5-232233)

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

**S5-232234 Rel-18 32.240 Add Missing Consumer in Charging Architecture**

*Type: CR For: Approval  
 32.240 v18.1.0 CR-0454 Cat: A (Rel-18)  
  
 Source: Amdocs Software Systems Ltd*

**Decision:** The document was **revised to S5-233023**.

**S5-233023 Rel-18 32.240 Add Missing Consumer in Charging Architecture**

*Type: CR For: Approval  
 32.240 v18.1.0 CR-0454 rev 1 Cat: A (Rel-18)  
  
 Source: Amdocs Software Systems Ltd*

(Replaces S5-232234)

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

**S5-232506 Correct the change of PRA for Roaming**

*Type: CR For: Agreement  
 32.255 v17.8.0 CR-0414 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-232507 Correction on the YAML**

*Type: CR For: Agreement  
 32.291 v17.5.0 CR-0456 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-232921**.

**S5-232921 Correction on the YAML**

*Type: CR For: Agreement  
 32.291 v17.5.0 CR-0456 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-232507)

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

**S5-232508 Correction on the Yaml**

*Type: CR For: Agreement  
 32.291 v18.0.0 CR-0457 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-232923**.

**S5-232923 Correction on the Yaml**

*Type: CR For: Agreement  
 32.291 v18.0.0 CR-0457 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-232508)

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

**S5-232543 DP on roaming charging data collection**

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

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

**S5-232549 Rel-18 CR 32.291 Slice-aware charging for Roaming partners**

*Type: CR For: Approval  
 32.291 v18.0.0 CR-0458 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-232572 Rel-17 CR 32.255 Correction of UPFId in QBC**

*Type: CR For: Agreement  
 32.255 v17.8.0 CR-0415 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232924**.

**S5-232924 Rel-17 CR 32.255 Correction of UPFId in QBC**

*Type: CR For: Agreement  
 32.255 v17.8.0 CR-0415 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-232572)

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

**S5-232573 Rel-17 CR 32.291 Correction of UPFId in QBC**

*Type: CR For: Agreement  
 32.291 v17.5.0 CR-0459 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232925**.

**S5-232925 Rel-17 CR 32.291 Correction of UPFId in QBC**

*Type: CR For: Agreement  
 32.291 v17.5.0 CR-0459 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-232573)

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

**S5-232574 Rel-18 CR 32.291 Correction of UPFId in QBC**

*Type: CR For: Agreement  
 32.291 v18.0.0 CR-0460 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232926**.

**S5-232926 Rel-18 CR 32.291 Correction of UPFId in QBC**

*Type: CR For: Agreement  
 32.291 v18.0.0 CR-0460 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-232574)

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

**S5-232575 Rel-17 CR 32.298 Correction of UPFId in QBC**

*Type: CR For: Agreement  
 32.298 v17.5.0 CR-0927 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232927**.

**S5-232927 Rel-17 CR 32.298 Correction of UPFId in QBC**

*Type: CR For: Agreement  
 32.298 v17.5.0 CR-0927 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-232575)

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

**S5-232576 Rel-18 CR 32.298 Correction of UPFId in QBC**

*Type: CR For: Agreement  
 32.298 v18.0.0 CR-0928 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232928**.

**S5-232928 Rel-18 CR 32.298 Correction of UPFId in QBC**

*Type: CR For: Agreement  
 32.298 v18.0.0 CR-0928 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-232576)

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

**S5-232577 Rel-17 CR 32.255 Inconsistent use of charging identifier**

*Type: CR For: Agreement  
 32.255 v17.8.0 CR-0416 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232929**.

**S5-232929 Rel-17 CR 32.255 Inconsistent use of charging identifier**

*Type: CR For: Agreement  
 32.255 v17.8.0 CR-0416 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-232577)

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

**S5-232578 Rel-18 CR 32.291 Correction of quota management indicator**

*Type: CR For: Agreement  
 32.291 v18.0.0 CR-0461 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

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

**S5-232579 Rel-18 CR 32.254 Correcting supported feature and charging identifier**

*Type: CR For: Agreement  
 32.254 v17.3.0 CR-0029 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232930**.

**S5-232930 Rel-18 CR 32.254 Correcting supported feature and charging identifier**

*Type: CR For: Agreement  
 32.254 v17.3.0 CR-0029 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-232579)

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

**S5-232580 Rel-18 CR 32.254 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.254 v17.3.0 CR-0023 rev 4 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-226659)

**Decision:** The document was **revised to S5-232931**.

**S5-232931 Rel-18 CR 32.254 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.254 v17.3.0 CR-0023 rev 5 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-232580)

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

**S5-232581 Rel-18 CR 32.291 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.291 v18.0.0 CR-0391 rev 3 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-226419)

**Decision:** The document was **revised to S5-232932**.

**S5-232932 Rel-18 CR 32.291 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.291 v18.0.0 CR-0391 rev 4 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-232581)

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

**S5-232582 Rel-18 CR 32.298 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.298 v18.0.0 CR-0896 rev 3 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-226420)

**Decision:** The document was **revised to S5-232933**.

**S5-232933 Rel-18 CR 32.298 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.298 v18.0.0 CR-0896 rev 4 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-232582)

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

**S5-232583 Rel-18 CR 32.291 Correction of QBC roaming**

*Type: CR For: Agreement  
 32.291 v18.0.0 CR-0462 Cat: F (Rel-18)  
  
 Source: Ericsson LM*

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

**S5-232691 Rel-17 CR 32.240 Fixing IRP definitions**

*Type: CR For: Approval  
 32.240 v17.8.0 CR-0455 Cat: F (Rel-17)  
  
 Source: CATT*

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

**S5-232692 Rel-18 CR 32.240 Fixing IRP definitions**

*Type: CR For: Approval  
 32.240 v18.1.0 CR-0456 Cat: A (Rel-18)  
  
 Source: CATT*

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

**S5-232731 Rel-16 CR 32.291 Update OpenAPI version**

*Type: other For: Agreement  
 32.291 v..  
 Source: Huawei*

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

**S5-232732 Rel-17 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v17.5.0 CR-0463 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-232733 Rel-18 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v18.0.0 CR-0464 Cat: A (Rel-18)  
  
 Source: Huawei*

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

**S5-232922 Rel-18 CR 32.291 Correction on the Yaml for EDGE charging**

*Type: CR For: Agreement  
 32.291 v18.0.0 CR-0465 Cat: A (Rel-18)  
  
 Source: Huawei*

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

**S5-233027 Rel-18 CR 32.298 IMS Charging Diagnostics**

*Type: other For: Agreement  
 32.298 v..  
 Source: Nokia*

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

**S5-233028 Rel-18 CR 32.260 IMS Charging Diagnostics**

*Type: other For: Agreement  
 32.260 v..  
 Source: Nokia*

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

**S5-233029 Rel-18 CR 32.275 IMS Charging Diagnostics**

*Type: other For: Agreement  
 32.275 v..  
 Source: Nokia*

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

### 7.4 Rel-18 Charging

#### 7.4.1 Charging Aspects of Network Slicing Phase 2

**S5-232092 Rel-18 TS 28.203 v0.0.0 Initial skeleton**

*Type: draft TS For: Approval  
 28.203 v0.0.0  
 Source: MATRIXX Software*

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

**S5-232093 Rel-18 pCR 28.203 Introduction of the Reference**

*Type: pCR For: Approval  
 28.203 v0.0.0  
 Source: MATRIXX Software*

**Decision:** The document was **agreed**.

**S5-232094 Rel-18 pCR 28.203 Introduction of the Scope**

*Type: pCR For: Approval  
 28.203 v0.0.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-232740**.

**S5-232740 Rel-18 pCR 28.203 Introduction of the Scope**

*Type: pCR For: Approval  
 28.203 v0.0.0  
 Source: MATRIXX Software*

(Replaces S5-232094)

**Decision:** The document was **approved**.

**S5-232215 Rel-18 pCR 28.203 Introduction of the Terms**

*Type: pCR For: Approval  
 28.203 v0.0.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

**S5-232216 Rel-18 pCR 28.203 Introduction of the Abbreviations**

*Type: pCR For: Approval  
 28.203 v0.0.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-232741**.

**S5-232741 Rel-18 pCR 28.203 Introduction of the Abbreviations**

*Type: pCR For: Approval  
 28.203 v0.0.0  
 Source: MATRIXX Software*

(Replaces S5-232216)

**Decision:** The document was **approved**.

**S5-232722 Draft TS 28.203**

*Type: draft TS For: Approval  
 28.203 v0.1.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

### 7.5 Charging studies

#### 7.5.1 Study on charging aspects for enhancements of Network Slicing Phase 2

**S5-232200 Questions and comments related to Charging Aspects for Network Slicing**

*Type: discussion For: Discussion  
 Source: VODAFONE Group Plc*

**Abstract:**

Questions and comments related to Charging Aspects for Network Slicing

**Decision:** The document was **noted**.

**S5-232217 Rel-18 pCR 32.847 Solve Editor's Note in Key issue#6**

*Type: pCR For: Approval  
 32.847 v1.6.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-232742**.

**S5-232742 Rel-18 pCR 32.847 Solve Editor's Note in Key issue#6**

*Type: pCR For: Approval  
 32.847 v1.6.0  
 Source: MATRIXX Software*

(Replaces S5-232217)

**Decision:** The document was **approved**.

**S5-232218 Rel-18 pCR 32.847 Refinements on conclusions for Key issue#6**

*Type: pCR For: Approval  
 32.847 v1.6.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-232743**.

**S5-232743 Rel-18 pCR 32.847 Refinements on conclusions for Key issue#6**

*Type: pCR For: Approval  
 32.847 v1.6.0  
 Source: MATRIXX Software*

(Replaces S5-232218)

**Decision:** The document was **approved**.

**S5-232219 Rel-18 pCR 32.847 Correction on pCR implementation**

*Type: pCR For: Approval  
 32.847 v1.6.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

**S5-232220 Presentation of TR 32.847 for approval**

*Type: TS or TR cover For: Approval  
 32.847 v..  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-232744**.

**S5-232744 Presentation of TR 32.847 for approval**

*Type: TS or TR cover For: Approval  
 32.847 v..  
 Source: MATRIXX Software*

(Replaces S5-232220)

**Decision:** The document was **approved**.

**S5-232222 Rel-18 pCR 32.847 Notes addition**

*Type: pCR For: Approval  
 32.847 v1.6.0  
 Source: VODAFONE Group Plc*

**Decision:** The document was **revised to S5-232745**.

**S5-232745 Rel-18 pCR 32.847 Notes addition**

*Type: pCR For: Approval  
 32.847 v1.6.0  
 Source: VODAFONE Group Plc*

(Replaces S5-232222)

**Decision:** The document was **approved**.

**S5-232315 Rel-18 pCR 32.847 Solution for Key Issue #9 Network Slice Charging by the Tenant**

*Type: pCR For: Approval  
 32.847 v1.6.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232746**.

**S5-232746 Rel-18 pCR 32.847 Solution for Key Issue #9 Network Slice Charging by the Tenant**

*Type: pCR For: Approval  
 32.847 v1.6.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232315)

**Decision:** The document was **approved**.

**S5-232723 Draft TR 32.847**

*Type: draft TR For: Approval  
 32.847 v1.7.0  
 Source: MATRIXX Software*

**Decision:** The document was **approved**.

#### 7.5.2 Study on Nchf charging services phase 2

**S5-232141 Rel-18 pCR 28.826 Solution for Key issue#1f and #1g**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232820**.

**S5-232820 Rel-18 pCR 28.826 Solution for Key issue#1f and #1g**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232141)

**Decision:** The document was **approved**.

**S5-232475 Rel-18 pCR 28.826 Add the potential solution for Common IEs applied**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232747**.

**S5-232747 Rel-18 pCR 28.826 Add the potential solution for Common IEs applied**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

(Replaces S5-232475)

**Decision:** The document was **approved**.

**S5-232476 Rel-18 pCR 28.826 Add the solution for reporting depending on the triggers**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232748**.

**S5-232748 Rel-18 pCR 28.826 Add the solution for reporting depending on the triggers**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

(Replaces S5-232476)

**Decision:** The document was **noted**.

**S5-232477 Rel-18 pCR 28.826 Clarify the solution 1.1**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232749**.

**S5-232749 Rel-18 pCR 28.826 Clarify the solution 1.1**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

(Replaces S5-232477)

**Decision:** The document was **approved**.

**S5-232478 Rel-18 pCR 28.826 Correction on the potential solutions for key issue #1l**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232750**.

**S5-232750 Rel-18 pCR 28.826 Correction on the potential solutions for key issue #1l**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

(Replaces S5-232478)

**Decision:** The document was **approved**.

**S5-232479 Rel-18 pCR 28.826 Add the solution for Bitrate charging**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232798**.

**S5-232798 Rel-18 pCR 28.826 Add the solution for Bitrate charging**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

(Replaces S5-232479)

**Decision:** The document was **approved**.

**S5-232480 Rel-18 pCR 28.826 Evaluation and Conclusion**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232819**.

**S5-232819 Rel-18 pCR 28.826 Evaluation and Conclusion**

*Type: pCR For: Agreement  
 28.826 v1.2.0  
 Source: Huawei*

(Replaces S5-232480)

**Decision:** The document was **approved**.

**S5-232556 Rel-18 pCR 28.826 Solution for Key issues #1f and #1g (Essential CDR)**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **withdrawn**.

**S5-232584 Rel-18 pCR 28.826 Correcting use cases and key issues in clause 5.1**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **approved**.

**S5-232585 Rel-18 pCR 28.826 Adding service identifier based solution to clause 5.3**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232799**.

**S5-232799 Rel-18 pCR 28.826 Adding service identifier based solution to clause 5.3**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

(Replaces S5-232585)

**Decision:** The document was **noted**.

**S5-232586 Rel-18 pCR 28.826 Adding solutions to undefined attribute handling in CDR**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232801**.

**S5-232801 Rel-18 pCR 28.826 Adding solutions to undefined attribute handling in CDR**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

(Replaces S5-232586)

**Decision:** The document was **approved**.

**S5-232587 Rel-18 pCR 28.826 Adding use case requested units and quota management indication**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232802**.

**S5-232802 Rel-18 pCR 28.826 Adding use case requested units and quota management indication**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

(Replaces S5-232587)

**Decision:** The document was **approved**.

**S5-232588 Rel-18 pCR 28.826 Additional evaluation to clause 5.1**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232805**.

**S5-232805 Rel-18 pCR 28.826 Additional evaluation to clause 5.1**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

(Replaces S5-232588)

**Decision:** The document was **approved**.

**S5-232589 Rel-18 pCR 28.826 Solving termination action issue**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232797**.

**S5-232797 Rel-18 pCR 28.826 Solving termination action issue**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

(Replaces S5-232589)

**Decision:** The document was **approved**.

**S5-232590 Rel-18 pCR 28.826 Additional evaluation to clause 5.3**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232816**.

**S5-232816 Rel-18 pCR 28.826 Additional evaluation to clause 5.3**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

(Replaces S5-232590)

**Decision:** The document was **approved**.

**S5-232591 Rel-18 pCR 28.826 Updating solution in clause 5.4**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232804**.

**S5-232804 Rel-18 pCR 28.826 Updating solution in clause 5.4**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

(Replaces S5-232591)

**Decision:** The document was **approved**.

**S5-232592 Rel-18 pCR 28.826 Additional evaluation in clause 5.4**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232817**.

**S5-232817 Rel-18 pCR 28.826 Additional evaluation in clause 5.4**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

(Replaces S5-232592)

**Decision:** The document was **approved**.

**S5-232593 Rel-18 pCR 28.826 Adding evaluation to clause 5.2**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232806**.

**S5-232806 Rel-18 pCR 28.826 Adding evaluation to clause 5.2**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

(Replaces S5-232593)

**Decision:** The document was **approved**.

**S5-232594 Rel-18 pCR 28.826 Adding solution to clause 5.1 on location accuracy**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232803**.

**S5-232803 Rel-18 pCR 28.826 Adding solution to clause 5.1 on location accuracy**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

(Replaces S5-232594)

**Decision:** The document was **approved**.

**S5-232595 Rel-18 pCR 28.826 Add evaluation to clause 5.5 of solution #5.6**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232818**.

**S5-232818 Rel-18 pCR 28.826 Add evaluation to clause 5.5 of solution #5.6**

*Type: pCR For: Approval  
 28.826 v1.2.0  
 Source: Ericsson LM*

(Replaces S5-232595)

**Decision:** The document was **approved**.

**S5-232724 Draft TR 28.826**

*Type: draft TR For: Approval  
 28.826 v1.3.0  
 Source: Ericsson*

**Decision:** The document was **approved**.

#### 7.5.3 Study on 5G roaming charging architecture for wholesale and retail scenarios

**S5-232481 Rel-18 pCR 28.827 Minor corrections**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-232482 Rel-18 pCR 28.827 Clarification on SMS related solutions**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232821**.

**S5-232821 Rel-18 pCR 28.827 Clarification on SMS related solutions**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

(Replaces S5-232482)

**Decision:** The document was **approved**.

**S5-232483 Rel-18 pCR 28.827 Correction on solution #1.4**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232822**.

**S5-232822 Rel-18 pCR 28.827 Correction on solution #1.4**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

(Replaces S5-232483)

**Decision:** The document was **approved**.

**S5-232484 Rel-18 pCR 28.827 Corrections on solution #1.11**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232934**.

**S5-232934 Rel-18 pCR 28.827 Corrections on solution #1.11**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

(Replaces S5-232484)

**Decision:** The document was **approved**.

**S5-232485 Rel-18 pCR 28.827 EN removal and clarification in solution #2.10**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232935**.

**S5-232935 Rel-18 pCR 28.827 EN removal and clarification in solution #2.10**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

(Replaces S5-232485)

**Decision:** The document was **noted**.

**S5-232486 Rel-18 pCR 28.827 Conclusion of clause 7.1**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232939**.

**S5-232939 Rel-18 pCR 28.827 Conclusion of clause 7.1**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

(Replaces S5-232486)

**Decision:** The document was **noted**.

**S5-232487 Rel-18 pCR 28.827 Conclusion of clause 7.2**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232941**.

**S5-232941 Rel-18 pCR 28.827 Conclusion of clause 7.2**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

(Replaces S5-232487)

**Decision:** The document was **approved**.

**S5-232488 Rel-18 pCR 28.827 Enhancement of solution #5.1**

*Type: pCR For: Agreement  
 28.827 v1.6.0  
 Source: Huawei*

**Decision:** The document was **merged**.

**S5-232596 Rel-18 pCR 28.827 Adding evaluation of solutions for clause 7.1**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232938**.

**S5-232938 Rel-18 pCR 28.827 Adding evaluation of solutions for clause 7.1**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

(Replaces S5-232596)

**Decision:** The document was **approved**.

**S5-232597 Rel-18 pCR 28.827 Correcting solution #1.11 in clause 7.1**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

**Decision:** The document was **merged**.

**S5-232598 Rel-18 pCR 28.827 Adding solution in clause 7.1 for PDU session triggers**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232936**.

**S5-232936 Rel-18 pCR 28.827 Adding solution in clause 7.1 for PDU session triggers**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

(Replaces S5-232598)

**Decision:** The document was **approved**.

**S5-232599 Rel-18 pCR 28.827 Adding solution in clause 7.1 for QoS flow session triggers**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232937**.

**S5-232937 Rel-18 pCR 28.827 Adding solution in clause 7.1 for QoS flow session triggers**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

(Replaces S5-232599)

**Decision:** The document was **noted**.

**S5-232600 Rel-18 pCR 28.827 Additional evaluation of solutions for clause 7.2**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232940**.

**S5-232940 Rel-18 pCR 28.827 Additional evaluation of solutions for clause 7.2**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

(Replaces S5-232600)

**Decision:** The document was **approved**.

**S5-232601 Rel-18 pCR 28.827 Additional evaluation of solutions for clause 7.4**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232942**.

**S5-232942 Rel-18 pCR 28.827 Additional evaluation of solutions for clause 7.4**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

(Replaces S5-232601)

**Decision:** The document was **approved**.

**S5-232602 Rel-18 pCR 28.827 Additional solutions for key issue #5d in clause 7.5**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232943**.

**S5-232943 Rel-18 pCR 28.827 Additional solutions for key issue #5d in clause 7.5**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

(Replaces S5-232602)

**Decision:** The document was **approved**.

**S5-232603 Rel-18 pCR 28.827 Additional solution for key issue #5f in clause 7.5**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232945**.

**S5-232945 Rel-18 pCR 28.827 Additional solution for key issue #5f in clause 7.5**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

(Replaces S5-232603)

**Decision:** The document was **approved**.

**S5-232604 Rel-18 pCR 28.827 Additional solutions for key issue #5e in clause 7.5**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-232944**.

**S5-232944 Rel-18 pCR 28.827 Additional solutions for key issue #5e in clause 7.5**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

(Replaces S5-232604)

**Decision:** The document was **approved**.

**S5-232605 Rel-18 pCR 28.827 Adding solution in clause 7.6 for UE usage information reporting**

*Type: pCR For: Approval  
 28.827 v1.6.0  
 Source: Ericsson LM*

**Decision:** The document was **noted**.

**S5-232725 Draft TR 28.827**

*Type: draft TR For: Approval  
 28.827 v1.7.0  
 Source: Ericsson*

**Decision:** The document was **approved**.

#### 7.5.4 Study on Charging Aspects for Enhanced support of Non-Public Networks

**S5-232420 Rel-18 pCR 28.828 Solve Editor's Note in SNPN topic 2**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-232829**.

**S5-232829 Rel-18 pCR 28.828 Solve Editor's Note in SNPN topic 2**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

(Replaces S5-232420)

**Decision:** The document was **approved**.

**S5-232421 Rel-18 pCR 28.828 Correction on solution #2 for PNI-NPN topic 1**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-232823**.

**S5-232823 Rel-18 pCR 28.828 Correction on solution #2 for PNI-NPN topic 1**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

(Replaces S5-232421)

**Decision:** The document was **approved**.

**S5-232422 Rel-18 pCR 28.828 Solve Editor's Note in PNI-NPN topic 1**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-232824**.

**S5-232824 Rel-18 pCR 28.828 Solve Editor's Note in PNI-NPN topic 1**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

(Replaces S5-232422)

**Decision:** The document was **approved**.

**S5-232423 Rel-18 pCR 28.828 Correction on conclusion for SNPN topic 2**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-232825**.

**S5-232825 Rel-18 pCR 28.828 Correction on conclusion for SNPN topic 2**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

(Replaces S5-232423)

**Decision:** The document was **approved**.

**S5-232424 Rel-18 pCR 28.828 Correction on conclusion for PNI-NPN topic 1**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-232826**.

**S5-232826 Rel-18 pCR 28.828 Correction on conclusion for PNI-NPN topic 1**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

(Replaces S5-232424)

**Decision:** The document was **approved**.

**S5-232425 Rel-18 pCR 28.828 Add converged charging for data connectivity in PNI-NPN**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-232832**.

**S5-232832 Rel-18 pCR 28.828 Add converged charging for data connectivity in PNI-NPN**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

(Replaces S5-232425)

**Decision:** The document was **approved**.

**S5-232426 Rel-18 pCR 28.828 Update conclusions and recommendations**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-232833**.

**S5-232833 Rel-18 pCR 28.828 Update conclusions and recommendations**

*Type: pCR For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

(Replaces S5-232426)

**Decision:** The document was **approved**.

**S5-232428 Presentation of TR 28.828 for approval**

*Type: TS or TR cover For: Approval  
 28.828 v1.2.0  
 Source: China Mobile*

**Decision:** The document was **approved**.

**S5-232489 Rel-18 pCR 28.828 Remove editor's note for the Topic 1**

*Type: pCR For: Agreement  
 28.828 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232828**.

**S5-232828 Rel-18 pCR 28.828 Remove editor's note for the Topic 1**

*Type: pCR For: Agreement  
 28.828 v1.2.0  
 Source: Huawei*

(Replaces S5-232489)

**Decision:** The document was **approved**.

**S5-232490 Rel-18 pCR 28.828 Remove editor's note for the Topic 3**

*Type: pCR For: Agreement  
 28.828 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232831**.

**S5-232831 Rel-18 pCR 28.828 Remove editor's note for the Topic 3**

*Type: pCR For: Agreement  
 28.828 v1.2.0  
 Source: Huawei*

(Replaces S5-232490)

**Decision:** The document was **approved**.

**S5-232491 Rel-18 pCR 28.828 Correction on the solution 3 in the Topic 1**

*Type: pCR For: Agreement  
 28.828 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232827**.

**S5-232827 Rel-18 pCR 28.828 Correction on the solution 3 in the Topic 1**

*Type: pCR For: Agreement  
 28.828 v1.2.0  
 Source: Huawei*

(Replaces S5-232491)

**Decision:** The document was **approved**.

**S5-232492 Rel-18 pCR 28.828 Correction on the solution 2 in the Topic 3**

*Type: pCR For: Agreement  
 28.828 v1.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232830**.

**S5-232830 Rel-18 pCR 28.828 Correction on the solution 2 in the Topic 3**

*Type: pCR For: Agreement  
 28.828 v1.2.0  
 Source: Huawei*

(Replaces S5-232492)

**Decision:** The document was **approved**.

**S5-232726 Draft TR 28.828**

*Type: draft TR For: Approval  
 28.828 v1.3.0  
 Source: China Mobile*

**Decision:** The document was **approved**.

#### 7.5.5 Study on Time Sensitive Networking charging

**S5-232493 Rel-18 pCR 28.839 Add Use Case for Enablers for Time Sensitive Communications**

*Type: pCR For: Agreement  
 28.839 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232834**.

**S5-232834 Rel-18 pCR 28.839 Add Use Case for Enablers for Time Sensitive Communications**

*Type: pCR For: Agreement  
 28.839 v0.4.0  
 Source: Huawei*

(Replaces S5-232493)

**Decision:** The document was **approved**.

**S5-232494 Rel-18 pCR 28.839 Add Use Case for Time Sensitive Communication**

*Type: pCR For: Agreement  
 28.839 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232835**.

**S5-232835 Rel-18 pCR 28.839 Add Use Case for Time Sensitive Communication**

*Type: pCR For: Agreement  
 28.839 v0.4.0  
 Source: Huawei*

(Replaces S5-232494)

**Decision:** The document was **approved**.

**S5-232495 Rel-18 pCR 28.839 Add Use Case for TSN 5GS bridge Charging**

*Type: pCR For: Agreement  
 28.839 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232836**.

**S5-232836 Rel-18 pCR 28.839 Add Use Case for TSN 5GS bridge Charging**

*Type: pCR For: Agreement  
 28.839 v0.4.0  
 Source: Huawei*

(Replaces S5-232495)

**Decision:** The document was **approved**.

**S5-232496 Rel-18 pCR TR 28.839 Add solution for the Network Exposure Charging**

*Type: pCR For: Agreement  
 28.839 v0.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232837**.

**S5-232837 Rel-18 pCR TR 28.839 Add solution for the Network Exposure Charging**

*Type: pCR For: Agreement  
 28.839 v0.4.0  
 Source: Huawei*

(Replaces S5-232496)

**Decision:** The document was **approved**.

**S5-232727 draft TR 28.839**

*Type: draft TR For: Approval  
 28.839 v0.5.0  
 Source: Huawei*

**Decision:** The document was **approved**.

#### 7.5.6 Study on CHF Segmentation

**S5-232095 Rel-18 TR 28.840 Initial skeleton (v0.0.0)**

*Type: draft TR For: Approval  
 28.840 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **approved**.

**S5-232096 Rel-18 pCR 28.840 Update of the Reference**

*Type: pCR For: Approval  
 28.840 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **approved**.

**S5-232097 Rel-18 pCR 28.840 Update of the Scope**

*Type: pCR For: Approval  
 28.840 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-232918**.

**S5-232918 Rel-18 pCR 28.840 Update of the Scope**

*Type: pCR For: Approval  
 28.840 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-232097)

**Decision:** The document was **approved**.

**S5-232728 Draft TR 28.840**

*Type: draft TR For: Approval  
 28.840 v0.1.0  
 Source: Nokia*

**Decision:** The document was **approved**.

#### 7.5.7 Study on Structure of Charging for Verticals

**S5-232497 Rel-18 pCR TR28.843 v0.0.0 Initial skeleton**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

**Decision:** The document was **approved**.

**S5-232498 Rel-18 pCR TR28.843 Update of the Skeleton**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232840**.

**S5-232840 Rel-18 pCR TR28.843 Update of the Skeleton**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

(Replaces S5-232498)

**Decision:** The document was **approved**.

**S5-232499 Rel-18 pCR TR28.843 Update of the Scope**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232841**.

**S5-232841 Rel-18 pCR TR28.843 Update of the Scope**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

(Replaces S5-232499)

**Decision:** The document was **approved**.

**S5-232500 Rel-18 pCR TR28.843 Update of the Reference**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232842**.

**S5-232842 Rel-18 pCR TR28.843 Update of the Reference**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

(Replaces S5-232500)

**Decision:** The document was **approved**.

**S5-232501 Rel-18 pCR TR28.843 Addition of Charging Specification Reference Consideration**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232843**.

**S5-232843 Rel-18 pCR TR28.843 Addition of Charging Specification Reference Consideration**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

(Replaces S5-232501)

**Decision:** The document was **approved**.

**S5-232502 Rel-18 pCR TR28.843 Addition of General description for background**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232844**.

**S5-232844 Rel-18 pCR TR28.843 Addition of General description for background**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

(Replaces S5-232502)

**Decision:** The document was **approved**.

**S5-232503 Rel-18 pCR TR28.843 Addition of the Business Roles**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232845**.

**S5-232845 Rel-18 pCR TR28.843 Addition of the Business Roles**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

(Replaces S5-232503)

**Decision:** The document was **approved**.

**S5-232504 Rel-18 pCR TR28.843 Addition of the key issue for consideration**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-232917**.

**S5-232917 Rel-18 pCR TR28.843 Addition of the key issue for consideration**

*Type: pCR For: Agreement  
 28.843 v0.0.0  
 Source: Huawei*

(Replaces S5-232504)

**Decision:** The document was **approved**.

**S5-232729 Draft TR 28.843**

*Type: draft TR For: Approval  
 28.843 v0.1.0  
 Source: Huawei*

**Decision:** The document was **approved**.

#### 7.5.8 Study on charging aspects of Satellite in 5GS

**S5-232514 3GPP TR 28.844-000 initial skeleton**

*Type: draft TR For: Agreement  
 28.844 v0.0.0  
 Source: CATT*

**Decision:** The document was **revised to S5-232839**.

**S5-232839 3GPP TR 28.844-000 initial skeleton**

*Type: draft TR For: Agreement  
 28.844 v0.0.0  
 Source: CATT*

(Replaces S5-232514)

**Decision:** The document was **approved**.

**S5-232515 Add the skeleton to TR 28.844**

*Type: pCR For: Agreement  
 28.844 v0.0.0  
 Source: CATT*

**Decision:** The document was **approved**.

**S5-232516 Add scope and reference to TR 28.844**

*Type: pCR For: Agreement  
 28.844 v0.0.0  
 Source: CATT*

**Decision:** The document was **revised to S5-232838**.

**S5-232838 Add scope and reference to TR 28.844**

*Type: pCR For: Agreement  
 28.844 v0.0.0  
 Source: CATT*

(Replaces S5-232516)

**Decision:** The document was **approved**.

**S5-232730 Draft TR 28.844**

*Type: draft TR For: Approval  
 28.844 v0.1.0  
 Source: CATT*

**Decision:** The document was **approved**.

## 8 Any Other Business

## 9 Closing of the meeting

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S5-232000 | Agenda | WG Chair | revised |  | S5-232063 |
| S5-232001 | IPR and legal declaration | WG Chair | noted |  |  |
| S5-232002 | Report from last SA5 meeting | MCC | approved |  |  |
| S5-232003 | Post e-meeting email approval status | WG Chair | available |  |  |
| S5-232004 | OAM&P action list | WG Vice Chair (Huawei) | noted |  |  |
| S5-232005 | agenda\_with\_Tdocs\_sequence\_proposal\_OAM | WG Vice Chair (Huawei) | noted |  | - |
| S5-232006 | OAM Exec Report | WG Vice Chair (Huawei) | available |  |  |
| S5-232007 | OAM Chair notes and conclusions | WG Chair | available |  |  |
| S5-232008 | CH agenda and time plan | WG vice Chair (Matrixx Software) | revised |  | S5-232721 |
| S5-232009 | Charging exec report | WG vice Chair (Matrixx Software) | noted |  |  |
| S5-232010 | SA5 working procedures | WG Chair | approved |  |  |
| S5-232011 | Collection of useful endorsed document and external communication documents | WG Vice Chair (Huawei) | noted |  |  |
| S5-232012 | Collection of Rel-18 3GPP SA5 OAM WoP | WG Vice Chair (Huawei) | noted |  |  |
| S5-232013 | Living document for stage 2-3 alignment | WG Chair | approved |  |  |
| S5-232014 | Process for management of draft TS-TRs | WG Chair | noted |  |  |
| S5-232015 | SA5 meeting calendar | WG Chair | noted |  |  |
| S5-232016 | Time Plan for OAM&P sessions | WG Chair | noted |  |  |
| S5-232017 | F2F meeting process for OAM | WG Chair | noted |  |  |
| S5-232018 | NGMN Reply LS to 3GPP SA5 on customer acceptance of limited QoS degradation to save energy in the network | NGMN | replied to |  |  |
| S5-232019 | LS out Rel17 Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism | C4-225411 | postponed |  |  |
| S5-232020 | LS on Tracking IANA assignment requests | CP-223275 | noted |  |  |
| S5-232021 | LS on ENSWI PRD Publication | GSMA | replied to |  |  |
| S5-232022 | LS on Autonomous Networks deliverables from ITU FG-AN | ITU FG-AN | noted |  |  |
| S5-232023 | Resubmitted LS reply to 3GPP SA2 on shared EHE and HR PDU session with SBO in V-PLMN | GSMA | noted |  |  |
| S5-232024 | LS on QoE measurements in RRC IDLE/INACTIVE states | R2-2213054 | replied to |  |  |
| S5-232025 | Resubmitted LS on introduction of a new attribute “Only Resource Coordination” to support source coordination between LTE and NR SA | R3-225206 | replied to |  |  |
| S5-232026 | Resubmitted LS on NCR Solutions | R3-225253 | postponed |  |  |
| S5-232027 | LS on Excess Packet Delay for MDT | R3-226873 | replied to |  |  |
| S5-232028 | Reply LS ccSA5 on DN energy efficiency data analytics | S1-223542 | replied to |  |  |
| S5-232029 | Resubmitted LS on shared EHE and HR PDU session with SBO in V-PLMN | S2-2209884 | replied to |  |  |
| S5-232030 | LS on Performance measurement for AI/ML | S2-2211428 | postponed |  |  |
| S5-232031 | LS on secured and trusted access to the serving PLMN OAM server by a MBSR | S2-2301465 | postponed |  |  |
| S5-232032 | LS about CHF Logic Realization wrt/ Spending Limits functionality | S2-2301634 | replied to |  |  |
| S5-232033 | Reply LS on Network federation interface for Telco edge consideration | S3-223914 | replied to |  |  |
| S5-232034 | Resubmitted Reply LS to Study on KQIs for 5G service experience | S4-221120 | noted |  |  |
| S5-232035 | Resubmitted Reply LS to SA5 on TS 28.404/TS 28.405 Clarification | S4-221121 | postponed |  |  |
| S5-232036 | Reply LS ccSA5 on Rel-18 enhancement of NR QoE | S4-221493 | noted |  |  |
| S5-232037 | Reply LS ccSA5 on EAS relocation affinity | S4-221495 | noted |  |  |
| S5-232038 | Follow-up LS to SA5 on Study on KQIs for 5G service experience | S4-221496 | noted |  |  |
| S5-232039 | Reply LS to RAN3 ccSA5 on RAN visible QoE value | S4-221604 | noted |  |  |
| S5-232040 | Resubmitted reply LS on “Reply LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation” | S6-222344 | noted |  |  |
| S5-232041 | Reply LS ccSA5 on Network federation interface for Telco edge consideration for a consolidated reply | S6-223553 | noted |  |  |
| S5-232042 | Clarification on the deployment of bundle EAS | S6-223587 | replied to |  |  |
| S5-232043 | Reply LS ccSA5 on EAS type attribute for EAS discovery | S6-230452 | noted |  |  |
| S5-232044 | LS on the initiation of the new work item Y.AN-Arch-fw: ""Architecture Framework for Autonomous Networks"" | SG13-LS37 | noted |  |  |
| S5-232045 | LS on the new work item Y.Arch\_NGNe\_ncp ""Architectural evolution of NGN control plane by applying SDN technology"" | ITU-T | postponed |  |  |
| S5-232046 | LS on the consent of draft new Recommendation ITU-T Y.3183 (ex. ITU-T Y.ML-IMT2020-VNS): ""Framework for network slicing management assisted by machine learning leveraging QoE feedback from verticals"" | ITU-T | postponed |  |  |
| S5-232047 | Reply LS ccSA5 on Network federation interface for Telco edge consideration | SP-221321 | replied to |  |  |
| S5-232048 | Resubmitted LS to 3GPP SA5 on UE to application server latency | GSMA | replied to |  |  |
| S5-232049 | Resubmitted LS on RAN3 agreements for NR QoE | R3-222890 | postponed |  |  |
| S5-232050 | Resubmitted LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541 | O-RAN | postponed |  |  |
| S5-232051 | LS/r on RAN visible QoE value (reply to 3GPP-LS8) | ITU-T SG12 | noted |  |  |
| S5-232052 | Reply LS on customer acceptation of limited QoS degradation to save energy in the network | Huawei | revised |  | S5-232757 |
| S5-232053 | Correct latency-based URLLC EE KPI unit | Huawei | agreed |  |  |
| S5-232054 | Correct latency-based URLLC EE KPI unit | Huawei | agreed |  |  |
| S5-232055 | Correct measurement used for eMBB and URLLC EE KPIs | Huawei | agreed |  |  |
| S5-232056 | Correct measurement used for eMBB and URLLC EE KPIs | Huawei | agreed |  |  |
| S5-232057 | Correct error in definition of ‘Average e2e uplink delay for a network slice’ | Huawei | not pursued |  |  |
| S5-232058 | Correct error in definition of ‘Average e2e uplink delay for a network slice’ | Huawei | not pursued |  |  |
| S5-232059 | Correct error in estimated VNFC energy consumption | Huawei | agreed |  |  |
| S5-232060 | Correct error in estimated VNFC energy consumption | Huawei | agreed |  |  |
| S5-232061 | Fixing inconsistencies in Energy Saving related attribute definitions | Huawei | agreed |  |  |
| S5-232062 | DP on TS 28.541 NSI-NSSI state diagrams | Huawei | noted |  |  |
| S5-232063 | Agenda | WG Chair | approved | S5-232000 |  |
| S5-232064 | LS on 3GPP work on Energy Efficiency | Huawei | revised |  | S5-232903 |
| S5-232065 | LS to SA1 on Customer acceptation of QoS degradation to save energy | Huawei | revised |  | S5-232758 |
| S5-232066 | pCR 28.913 Potential solution #2 for KI#4 - EE KPI for V2X | Huawei | revised |  | S5-232884 |
| S5-232067 | pCR 28.913 Clean up KI#8 - Energy Saving compensation procedure | Huawei | approved |  |  |
| S5-232068 | pCR 28.913 Potential solution for KI#10 - Digital Sobriety | Huawei | revised |  | S5-232885 |
| S5-232069 | pCR 28.913 Potential solution for KI#9 | Huawei | revised |  | S5-232886 |
| S5-232070 | Modify the counter name for Total error number of DL/UL TBs | RadiSys | agreed |  |  |
| S5-232071 | LS on Invitation to the ETSI ISG NFV’s 10 years anniversary | ETSI ISG NFV | noted |  |  |
| S5-232072 | Rel-18 CR 28.623 Add stage 3 solution for LcmProcess IOC | Intel Corporation (UK) Ltd | not pursued |  | - |
| S5-232073 | Rel-18 CR 28.538 Add stage 3 solution for request identifier attributes | Intel Corporation (UK) Ltd | not pursued |  | - |
| S5-232074 | Modify the criteria for incrementing counters of Intra-GNB Handover Preparation | RadiSys | agreed |  |  |
| S5-232075 | Deprecate passedById | Ericsson Hungary Ltd | not pursued |  |  |
| S5-232076 | Deprecate passedById | Ericsson Hungary Ltd | revised |  | S5-233070 |
| S5-232077 | Clarifications for lifecycleStatus property | Ericsson Hungary Ltd | revised |  | S5-232968 |
| S5-232078 | Clarifying multilevel attribute properties | Ericsson Hungary Ltd | withdrawn |  |  |
| S5-232079 | Clarifying multilevel attribute properties | Ericsson Hungary Ltd | revised |  | S5-233071 |
| S5-232080 | Clarifying multilevel attribute properties | Ericsson Hungary Ltd | revised |  | S5-233072 |
| S5-232081 | Discussion paper on Using Forge-Git as the primary storage for Code | Ericsson Hungary Ltd | revised |  | S5-232751 |
| S5-232082 | LS on need for modeling isInvariant and SystemCreated in YANG | Ericsson Hungary Ltd | revised |  | S5-232770 |
| S5-232083 | DP on restructuring TS 28-545 | Ericsson Hungary Ltd | revised |  | S5-232771 |
| S5-232084 | pCR TR 28.908 Re-structing content of clause 5 Use cases, potential requirements, and possible solutions | NEC, Intel | revised |  | S5-232807 |
| S5-232085 | pCR TR28.908 Add general conclusions and recommendations | NEC, Intel | approved |  |  |
| S5-232086 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS, Telefonica | revised | S5-226755 | S5-232907 |
| S5-232087 | pCR TR 28.912 Update the description of Issue#4.7 monitoring intent fulfilment information | Jetflow | noted |  |  |
| S5-232088 | pCR TR 28.912 Update the description of Issue#4.4 5GC related intent expectation | Jetflow | merged |  | S5-232782 |
| S5-232089 | pCR TR 28.912 Add Issue#4.x user service experience based RAN energy saving | Jetflow | revised |  | S5-232814 |
| S5-232090 | pCR TR 28.912 Add enhancement aspect6 and potential solution for user experience assurance | Jetflow | revised |  | S5-232786 |
| S5-232091 | pCR TR 28.836 Add Use case of Intent driven management to support the operation of network slice instance | Jetflow | revised |  | S5-232947 |
| S5-232092 | Rel-18 TS 28.203 v0.0.0 Initial skeleton | MATRIXX Software | agreed |  |  |
| S5-232093 | Rel-18 pCR 28.203 Introduction of the Reference | MATRIXX Software | agreed |  |  |
| S5-232094 | Rel-18 pCR 28.203 Introduction of the Scope | MATRIXX Software | revised |  | S5-232740 |
| S5-232095 | Rel-18 TR 28.840 Initial skeleton (v0.0.0) | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-232096 | Rel-18 pCR 28.840 Update of the Reference | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-232097 | Rel-18 pCR 28.840 Update of the Scope | Nokia, Nokia Shanghai Bell | revised |  | S5-232918 |
| S5-232098 | Rel-18 pCR TR 28.831 Add a new key issue for Advertising NRM properties by the MnS producer | Nokia, Nokia Shanghai Bell | revised |  | S5-233042 |
| S5-232099 | Rel-18 pCR TR 28.831 Add potential requirements for KI for Advertising NRM properties by the MnS producer | Nokia, Nokia Shanghai Bell | revised |  | S5-233043 |
| S5-232100 | Rel-18 pCR TR 28.831 Add a potential solution for KI for Advertising NRM properties by the MnS producer | Nokia, Nokia Shanghai Bell | revised |  | S5-233044 |
| S5-232101 | Rel-18 CR TS28.622 Add abstract IOC Controller\_ to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell | withdrawn | S5-226110 |  |
| S5-232102 | Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell | not pursued | S5-226557 |  |
| S5-232103 | Procedures to support asynchronous Network Slice LCM operations | Nokia, Nokia Shanghai Bell | not pursued | S5-226560 |  |
| S5-232104 | Rel-18 CR TS 28.623 Add stage 3 for abstract IOC Controller\_ | Nokia, Nokia Shanghai Bell | withdrawn | S5-226132 |  |
| S5-232105 | Add stage 3 for data type AvailabilityStatus | Nokia, Nokia Shanghai Bell | not pursued | S5-226383 |  |
| S5-232106 | Adding traceablity for ES compensation activation and deactivation procedures | Nokia, Nokia Shanghai Bell | revised |  | S5-232904 |
| S5-232107 | Discussion paper on Add missing SLS attributes supported in serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | noted |  |  |
| S5-232108 | Add missing SLS attributes supported in serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | revised |  | S5-233080 |
| S5-232109 | Add missing SLS attributes supported in serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | revised |  | S5-233081 |
| S5-232110 | Fix missing reference to mid-haul interface for EP Transport | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232111 | Fix missing reference to mid-haul interface for EP Transport | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232112 | Fix duplicated SST attribute in RANSliceSubnetProfile | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232113 | Fix duplicated SST attribute in RANSliceSubnetProfile | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232114 | Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-232115 | Add MDT Alignment Information and RAN visible QoE Metrics to Signalling Based Activation | Ericsson Limited | agreed |  |  |
| S5-232116 | LS on Approval of eQoE CRs for NR | Ericsson Limited | revised |  | S5-232997 |
| S5-232117 | NRM enhancements for SMSFFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-232908 |
| S5-232118 | NRM enhancements for NRFFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-232909 |
| S5-232119 | NRM enhancements for LMFFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-232910 |
| S5-232120 | NRM enhancements for AFFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-232915 |
| S5-232121 | TS28.541 Rel-18 NRM enhancements for EASDFFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232122 | TS28.541 Rel-18 NRM enhancements for NSSAAFFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-232916 |
| S5-232123 | TS28.541 Rel-16 remove redundant stage 3 definition for Mnc and PlmnId | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232124 | TS28.541 Rel-17 remove redundant stage 3 definition for Mnc and PlmnId | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232125 | TS28.541 Rel-18 remove redundant stage 3 definition for Mnc and PlmnId | Nokia, Nokia Shanghai Bell | revised |  | S5-232457 |
| S5-232126 | TS28.541 Rel-16 Fix IpAddr definition and references | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-232127 | TS28.541 Rel-17 Fix IpAddr definition and references | Nokia, Nokia Shanghai Bell | revised |  | S5-232460 |
| S5-232128 | Fix IpAddr definition and references | Nokia, Nokia Shanghai Bell | revised |  | S5-233119 |
| S5-232129 | TS28.623 Rel-16 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | revised |  | S5-233093 |
| S5-232130 | TS28.623 Rel-17 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | revised |  | S5-232461 |
| S5-232131 | TS28.623 Rel-18 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | revised |  | S5-233095 |
| S5-232132 | TS28.622 Rel-17 Fix diagram issue in MnS Registry NRM fragment | Nokia, Nokia Shanghai Bell | merged |  | S5-233096 |
| S5-232133 | TS28.622 Rel-18 Fix diagram issue in MnS Registry NRM fragment | Nokia, Nokia Shanghai Bell | merged |  | S5-233097 |
| S5-232134 | TS28.541 Rel-17 ManagedNFProfile stage3 not consistent with Stage 2 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232135 | TS28.541 Rel-18 ManagedNFProfile stage3 not consistent with Stage 2 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232136 | Correcting traceRecordingSessionReference property | Ericsson Limited | revised |  | S5-233134 |
| S5-232137 | Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | revised |  | S5-233135 |
| S5-232138 | Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | revised |  | S5-233136 |
| S5-232139 | Removal of redundant network slice modification use case | Nokia, Nokia Shanghai Bell | agreed |  | - |
| S5-232140 | pCR TR 28.925 Add issue about extending TS 32.300 to support SBMA | Oy LM Ericsson AB | revised |  | S5-232953 |
| S5-232141 | Rel-18 pCR 28.826 Solution for Key issue#1f and #1g | Nokia, Nokia Shanghai Bell | revised |  | S5-232820 |
| S5-232142 | New WID on CHF Distributed Availability | Nokia, Nokia Shanghai Bell | revised |  | S5-232739 |
| S5-232143 | Rel-18 CR 32.291 IMS Charging Diagnostics | Nokia, Nokia Shanghai Bell | revised |  | S5-233026 |
| S5-232144 | pCR TS 28.317 Add concept, use case and requirements for network configuration data handling | China Mobile, Huawei | revised |  | S5-232905 |
| S5-232145 | pCR TS 28.317 Update the requirement format to follow the stage1 templated in TS 32.160 | China Mobile, Huawei | approved |  |  |
| S5-232146 | DP on enhancing streaming format of PMs | Nokia, Nokia Shanghai Bell | revised |  | S5-233012 |
| S5-232147 | Overview of Trace Management of Non-Public Networks | Nokia, Nokia Shanghai Bell | revised |  | S5-232978 |
| S5-232148 | Input to draft CR TS 28.104 Stage 2 and Stage 3 for Predictions use case | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-232149 | Input to draft CR TS 28.104 Stage 2 and Stage 3 for Statistics use case | Nokia, Nokia Shanghai Bell | revised |  | S5-232982 |
| S5-232150 | Reply LS on Excess Packet Delay Threshold for MDT | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-232151 | pCR TR28.837 Conclusions and Recommendations | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-232152 | pCR TR28.837 NPN\_KI\_1 Problem Statement for support of NPN for TraceMDT | Nokia, Nokia Shanghai Bell | revised |  | S5-232979 |
| S5-232153 | pCR TR28.837 NPN\_KI\_1 Solution and conclusion for support of NPN for TraceMDT | Nokia, Nokia Shanghai Bell | merged |  | S5-232979 |
| S5-232154 | pCR TR28.837 NPN\_KI\_2 Problem Statement to support RLF and RCEF reports for NPN | Nokia, Nokia Shanghai Bell | revised |  | S5-232980 |
| S5-232155 | pCR TR28.837 NPN\_KI\_2 Solution and conclusion to support RLF and RCEF reports for NPN | Nokia, Nokia Shanghai Bell | merged |  | S5-232980 |
| S5-232156 | pCR TR28.837 Potential Solution and conclusion for name containment of Trace job in Signalling based trace activation | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-232157 | pCR TR28.837 Potential Solution and conclusion for reporting of per direction per DRB measurements | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-232158 | pCR TR28.837 Potential Solution and conclusion for structuring of Trace job IOC | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-232159 | Rel 18 TS 28.552 Add definition of DL PDCP buffered throughput per UE per DRB | Nokia, Nokia Shanghai Bell | revised |  | S5-233033 |
| S5-232160 | Rel-16 CR TS 28.622 Correcting attribute constraints for Trace Job | Nokia, Nokia Shangai Bell | agreed |  |  |
| S5-232161 | Rel-17 CR TS 28.105 Adding the missing definition of attributes Stage 2 and Stage 3 | Nokia, Nokia Shangai Bell | agreed |  |  |
| S5-232162 | Rel-17 CR TS 28.105 Adding the missing relation between ML entity and ML process | Nokia, Nokia Shangai Bell | not pursued |  |  |
| S5-232163 | Rel-17 CR TS 28.105 Correcting the attribute properties | Nokia, Nokia Shangai Bell | revised |  | S5-233067 |
| S5-232164 | Rel-17 CR TS 28.622 Adding "altitude" to GeoArea datatype | Nokia, Nokia Shangai Bell | agreed |  |  |
| S5-232165 | Rel-17 CR TS 28.622 Correcting attribute constraints for Trace Job | Nokia, Nokia Shangai Bell | agreed |  |  |
| S5-232166 | Rel-17 CR TS 28.622 Correcting the attribute properties for Excess packet delay threshold attribute | Nokia, Nokia Shangai Bell | withdrawn |  |  |
| S5-232167 | Rel-17 CR TS 28.623 Adding "altitude" to GeoArea datatype - Stage 3 | Nokia, Nokia Shangai Bell | agreed |  |  |
| S5-232168 | Rel-17 CR TS 28.623 Correcting the min and max Items possible for fiveQIValue attribute in Stage 3 | Nokia, Nokia Shangai Bell | endorsed |  |  |
| S5-232169 | Rel17 CR 32.422 Correcting the definition for Excess packet delay threshold | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-232170 | Rel-18 CR TS 28.550 Enhance the streaming format of PM | Nokia, Nokia Shangai Bell | not pursued |  | - |
| S5-232171 | Rel-18 CR TS 28.550 Example of ASN.1 schema for Streaming of PMs | Nokia, Nokia Shangai Bell | revised |  | S5-233013 |
| S5-232172 | Rel-18 CR TS 28.622 Adding "altitude" to GeoArea datatype | Nokia, Nokia Shangai Bell | agreed |  |  |
| S5-232173 | Rel-18 CR TS 28.622 Correcting attribute constraints for Trace Job | Nokia, Nokia Shangai Bell | agreed |  |  |
| S5-232174 | Rel-18 CR TS 28.623 Adding "altitude" to GeoArea datatype - Stage 3 | Nokia, Nokia Shangai Bell | agreed |  |  |
| S5-232175 | Correct issues for feasibility check and resource reservation NRM fragment | Huawei | revised |  | S5-233084 |
| S5-232176 | Correct issues for feasibility check and resource reservation NRM fragment | Huawei | revised |  | S5-233085 |
| S5-232177 | Correct issues for generic NRM Fragment | Huawei | revised |  | S5-233096 |
| S5-232178 | Correct issues for generic NRM Fragment | Huawei | revised |  | S5-233097 |
| S5-232179 | Add missing supporting management capabilities for several control NRM Fragments | Huawei | not pursued |  |  |
| S5-232180 | Add missing supporting management capabilities for several control NRM Fragments | Huawei | not pursued |  |  |
| S5-232181 | Update procedures for delete an intent and query an intent | Huawei | revised |  | S5-233074 |
| S5-232182 | Udpate Annex C Mapping the 3GPP and the TM Forum intentExpectation Models | Huawei, Deutsche Telekom | revised |  | S5-233075 |
| S5-232183 | Update clause 4.2.2 Intent driven MnS | Huawei,Deutsche Telekom | revised |  | S5-233076 |
| S5-232184 | Rel-17 CR TS 28.537 Correct the description and requirements for producing and reporting management data (6.3.14) | Huawei | revised |  | S5-233120 |
| S5-232185 | Rel-18 CR TS 28.541 Add Enhanced QoS support in NRM (stage 3, YAML) | Huawei | revised |  | S5-232911 |
| S5-232186 | Update NRM fragment for 5QI configuration for NG-RAN | Huawei | revised |  | S5-232912 |
| S5-232187 | Rel-18 CR TS 28.541 Correct the description and definition fro NWDAFFucntion IOC | Huawei | revised |  | S5-232914 |
| S5-232188 | TS28.622 add missing UML diagram for QoE Measurement Collection | Huawei | revised |  | S5-232996 |
| S5-232189 | Correction of RFC reference | Ericsson | agreed |  |  |
| S5-232190 | Correction of RFC reference | Ericsson | agreed |  |  |
| S5-232191 | Rel-15 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | revised |  | S5-233098 |
| S5-232192 | Rel-16 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | revised |  | S5-233099 |
| S5-232193 | Rel-17 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | revised |  | S5-233100 |
| S5-232194 | Rel-18 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | revised |  | S5-233101 |
| S5-232195 | pCR TR 28.834 Add issues and requirements for usecase# 3 | Jetflow | revised |  | S5-232960 |
| S5-232196 | Missing Mount information | Ericsson | agreed |  |  |
| S5-232197 | Missing Mount information | Ericsson | agreed |  |  |
| S5-232198 | Missing Mount information | Ericsson | agreed |  |  |
| S5-232199 | Missing Mount information | Ericsson | agreed |  |  |
| S5-232200 | Questions and comments related to Charging Aspects for Network Slicing | VODAFONE Group Plc | noted |  |  |
| S5-232201 | Rel-18 CR 32.291 UsedUnitContainer and MultipleUnitUsage Description Enhancement | Nokia, Nokia Shanghai Bell | revised |  | S5-233030 |
| S5-232202 | Correction of the Handling errors in data and ML decisions | Ericsson | revised |  | S5-233060 |
| S5-232203 | Rel-17 CR TS 28.105 Correction of terminologies | Ericsson India Private Limited | revised |  | S5-233061 |
| S5-232204 | Rel-17 CR TS 28.105 Correction of the figure for ML training function | Ericsson India Private Limited | withdrawn |  |  |
| S5-232205 | pCR TR 28.912 Rapporteur clean up | Huawei | approved |  |  |
| S5-232206 | pCR TR 28.912 Address the inconsistent issue for intent report (WOP#2) | Huawei, China Mobile, Deutsche Telekom, Ericsson | revised |  | S5-232901 |
| S5-232207 | pCR TR 28.912 Add Comparison and analysis of potential solutions (WOP#2) | Huawei, Ericsson | revised |  | S5-232783 |
| S5-232208 | pCR TR 28.912 Add conclusion and recommendation for issues related to collaboration with other SDOs (WOP#5) | Huawei, Deutsche Telekom | revised |  | S5-232790 |
| S5-232209 | pCR TS 28.912 Add conclusion and recommendation for issues which need further investigation (WOP#5) | Huawei | revised |  | S5-232791 |
| S5-232210 | pCR TR 28.836 Add procedures for using intent driven approach to support async network slice provisioning | Huawei, Deutsche Telekom | noted |  |  |
| S5-232211 | pCR TR 28.836 Add solutions for expressing service and slice profile requirements as intent expectations | Huawei, China Mobile, Deutsche Telekom, Telefónica | revised |  | S5-232948 |
| S5-232212 | Rel-16 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | revised |  | S5-233139 |
| S5-232213 | Rel-17 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | revised |  | S5-233140 |
| S5-232214 | Rel-18 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | revised |  | S5-233141 |
| S5-232215 | Rel-18 pCR 28.203 Introduction of the Terms | MATRIXX Software | approved |  |  |
| S5-232216 | Rel-18 pCR 28.203 Introduction of the Abbreviations | MATRIXX Software | revised |  | S5-232741 |
| S5-232217 | Rel-18 pCR 32.847 Solve Editor's Note in Key issue#6 | MATRIXX Software | revised |  | S5-232742 |
| S5-232218 | Rel-18 pCR 32.847 Refinements on conclusions for Key issue#6 | MATRIXX Software | revised |  | S5-232743 |
| S5-232219 | Rel-18 pCR 32.847 Correction on pCR implementation | MATRIXX Software | approved |  |  |
| S5-232220 | Presentation of TR 32.847 for approval | MATRIXX Software | revised |  | S5-232744 |
| S5-232221 | Revision of SP-221159 WID on Charging Aspects of Network Slicing Phase 2 | MATRIXX Software | revised |  | S5-232736 |
| S5-232222 | Rel-18 pCR 32.847 Notes addition | VODAFONE Group Plc | revised |  | S5-232745 |
| S5-232223 | Rel-18 CR 28.622 Add stage 2 solution for LcmProcess IOC | Intel Belgium SA/NV | not pursued |  | - |
| S5-232224 | Rel-18 CR 28.538 Add stage 2 solution for request identifier attributes | Intel Belgium SA/NV | not pursued |  | - |
| S5-232225 | Discussion paper for asynchronous LCM solutions | Intel Belgium SA/NV | noted |  |  |
| S5-232226 | Rel-18 CR 28.531 Update NSI / NSSI allocation procedures | Intel Belgium SA/NV | not pursued |  |  |
| S5-232227 | Rel-18 CR 28.531 Update NSI / NSSI deallocation procedures | Intel Belgium SA/NV | not pursued |  |  |
| S5-232228 | Rel-18 CR 28.538 Revise EAS VNF instantiation and termination procedures | Intel Belgium SA/NV | revised |  | S5-233014 |
| S5-232229 | Rel-17 CR 32.291 Add EAS Deployment Requirements | Amdocs Software Systems Ltd | revised |  | S5-232919 |
| S5-232230 | Rel-18 CR 32.291 Add EAS Deployment Requirements | Amdocs Software Systems Ltd | revised |  | S5-232920 |
| S5-232231 | Rel-17 32.298 Add Missing RAT Types in CHF CDRs | Amdocs Software Systems Ltd | revised |  | S5-233024 |
| S5-232232 | Rel-18 32.298 Add Missing RAT Types in CHF CDRs | Amdocs Software Systems Ltd | revised |  | S5-233025 |
| S5-232233 | Rel-17 CR 32.240 Add Missing Consumer in Charging Architecture | Amdocs Software Systems Ltd | revised |  | S5-232946 |
| S5-232234 | Rel-18 32.240 Add Missing Consumer in Charging Architecture | Amdocs Software Systems Ltd | revised |  | S5-233023 |
| S5-232235 | Using Forge for SA5 | Nokia, Nokia Shanghai Bell | noted |  | - |
| S5-232236 | pCR 28.834 Add key issues for usecase 6 and usecase 7 | AsiaInfo Technologies Inc | revised |  | S5-232961 |
| S5-232237 | TS28.312 Rel-17 update stage 3 definition PlmnId | Nokia, Nokia Shanghai Bell | revised |  | S5-232463 |
| S5-232238 | TS28.538 Rel-17 update stage 3 definition PlmnId | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232239 | TS28.538 Rel-18 update stage 3 definition PlmnId | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232240 | TR28.908 Potential Solution and evaluation on coordination of capabilities | Nokia, Nokia Shanghai Bell, TELUS | revised |  | S5-233039 |
| S5-232241 | TR28.908 Potential Solution and evaluation on Measurement data correlation analytics for ML training | Nokia, Nokia Shanghai Bell | revised |  | S5-232848 |
| S5-232242 | TR28.908 Potential Solution and evaluation on Training data effectiveness analytics | Nokia, Nokia Shanghai Bell | revised |  | S5-233040 |
| S5-232243 | TR28.908 Potential Solution and evaluation on Training data effectiveness reporting | Nokia, Nokia Shanghai Bell | revised |  | S5-233041 |
| S5-232244 | Reply LS on CHF Logic Realization wrt/ Spending Limits functionality | China Telecommunications | revised |  | S5-232735 |
| S5-232245 | Add clarification on cluase 4.5 General concept of Intent Content | Huawei | revised |  | S5-233077 |
| S5-232246 | Update clause 6.2.2.1.2.4 ExpectationContexts | Huawei | agreed |  |  |
| S5-232247 | Correct the value of the defaultValue in Table 6.2.2.2-1 | Huawei | agreed |  |  |
| S5-232248 | pCR TR28.908 update AIML management capabilities | Nokia, Nokia Shanghai Bell | revised |  | S5-232612 |
| S5-232249 | pCR TR28.908 Potential Solution on AIML trustworthiness indicators | Nokia, Nokia Shanghai Bell | revised |  | S5-232613 |
| S5-232250 | pCR TR28.908 Potential Solution on AIML data trustworthiness | Nokia, Nokia Shanghai Bell | revised |  | S5-232614 |
| S5-232251 | pCR TR28.908 Potential Solution on AIML training trustworthiness | Nokia, Nokia Shanghai Bell | revised |  | S5-232615 |
| S5-232252 | pCR TR28.908 Potential Solution on AIML inference trustworthiness | Nokia, Nokia Shanghai Bell | revised |  | S5-232616, S5-232617 |
| S5-232253 | pCR 28.908 Assessment of ML trustworthiness | Nokia, Nokia Shanghai Bell | revised |  | S5-232618 |
| S5-232254 | pCR 28.908 Extend coordination of AIML capabilities | Nokia, Nokia Shanghai Bell | revised |  | S5-232619 |
| S5-232255 | pCR 28.908 Use case & Potential solution on Transfer learning | Nokia, Nokia Shanghai Bell | revised |  | S5-232621 |
| S5-232256 | pCR 28.908 Extend ML update management | Nokia, Nokia Shanghai Bell | revised |  | S5-232622 |
| S5-232257 | pCR TR28.908 AIML Update control | Nokia, Nokia Shanghai Bell | revised |  | S5-232623 |
| S5-232258 | pCR TR28.908 ML energy consumption aware ML training | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-232259 | pCR TR 28.912 Potential Solution on Intent-driven Closed Loop control | Nokia, Nokia Shanghai Bell | revised |  | S5-232625 |
| S5-232260 | pCR TR 28.912 Potential solution for Intent handling capability | Nokia, Nokia Shanghai Bell | revised |  | S5-232626 |
| S5-232261 | pCR TR 28.912 Intent Fullfillment feedback | Nokia, Nokia Shanghai Bell | revised |  | S5-232627 |
| S5-232262 | pCR TR 28.912 enhance service support expectation | Nokia, Nokia Shanghai Bell | revised |  | S5-232628 |
| S5-232263 | pCR TR 28.912 Additions to Conclusion and recommendation | Nokia, Nokia Shanghai Bell | revised |  | S5-232629 |
| S5-232264 | Correct the RRMPolicyRatio Description | Huawei | agreed |  |  |
| S5-232265 | R17 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT | China Telecom Corporation Ltd., Huawei | not pursued |  | - |
| S5-232266 | R18 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT | China Telecom Corporation Ltd. | not pursued |  | - |
| S5-232267 | Rescoping of the Study on Structure of Charging for Verticals | VODAFONE Group Plc | noted |  |  |
| S5-232268 | Reply LS on introduction of a new attribute “Only Resource Coordination” to support source coordination between LTE and NR SA | China Telecom Corporation Ltd. | revised |  | S5-233142 |
| S5-232269 | YANG Corrections | Ericsson Hungary Ltd | revised |  | S5-232772 |
| S5-232270 | Reply LS on QoE measurements in RRC IDLEINACTIVE states | Huawei | revised |  | S5-232760 |
| S5-232271 | Rel-17 CR TS 28.104 correct error of references number | Huawei | agreed |  |  |
| S5-232272 | Rel-17 CR TS 28.104 Adding missing support qualifier of maintenance analysis use case | Huawei | revised |  | S5-232981 |
| S5-232273 | Rel-17 CR TS 28.104 Correct errors in HOTargetType and NRM fragment note | Huawei | agreed |  |  |
| S5-232274 | Rel-17 CR TS 28.313 Align the attribute name of SON case with TS 28.541 | Huawei | agreed |  |  |
| S5-232275 | Rel-16 CR TS 28.313 Align the attribute name of SON case with TS 28.541 | Huawei | agreed |  |  |
| S5-232276 | Rel-17 CR TS 28.105 correct AI/ML related terms | Huawei | revised |  | S5-233062 |
| S5-232277 | Rel-17 CR TS 28.105 correct formatting and spelling errors | Huawei | revised |  | S5-233068 |
| S5-232278 | Rel17 CR TS 28.105 correct attribute definitions | Huawei | revised |  | S5-233069 |
| S5-232279 | pCR TR 28.908 Add the evaluation of AIML update management | Huawei | revised |  | S5-232847 |
| S5-232280 | pCR TR 28.908 Update the use case of ML entity performance evaluation | Huawei | revised |  | S5-232796 |
| S5-232281 | pCR TR 28.908 Update the solution of ML entity performance evaluation | Huawei | approved |  |  |
| S5-232282 | pCR TR 28.908 Add the solution of ML entity configuration | Huawei | merged |  | S5-233083 |
| S5-232283 | pCR TR 28.908 Add AIML capabilities deployment scenarios | Huawei | revised |  | S5-233138 |
| S5-232284 | pCR TR 28.908 Add description of the AIML management relationship with 3GPP groups | Huawei | noted |  |  |
| S5-232285 | LS reply to GSMA OPG on UE to application server latency | Huawei | revised |  | S5-232759 |
| S5-232286 | Reply LS S6-223587 Clarification on the deployment of bundle EAS | Huawei | revised |  | S5-232762 |
| S5-232287 | Correct Context date type definition | Huawei | revised |  | S5-233078 |
| S5-232288 | Change targetAttribute to targetName | Huawei | agreed |  |  |
| S5-232289 | Update the figure 6.2.1.1.1-1:Relationship UML diagram for intent | Huawei | agreed |  |  |
| S5-232290 | Improve definition of network slice throughput analysis | Huawei | agreed |  |  |
| S5-232291 | Add coordination requirement and domain MDAF reporting | Huawei | not pursued |  | - |
| S5-232292 | Improve definition of network slice traffic prediction | Huawei | not pursued |  |  |
| S5-232293 | Improve requirements for network slice throughput analysis | Huawei | not pursued |  | - |
| S5-232294 | Improve requirements for network slice traffic prediction | Huawei | not pursued |  | - |
| S5-232295 | Add coodination requirement for user experience case | Huawei | not pursued |  | - |
| S5-232296 | Input to draft CR 28.104 Improve description of prediction and statistics of management data | Huawei | revised |  | S5-232983 |
| S5-232297 | Correct multiplicity of attribute mDAOutputIEName | Huawei | agreed |  |  |
| S5-232298 | pCR TR 28.910 Add potential solution for 5GC NF deployment | Huawei | noted |  |  |
| S5-232299 | pCR 28.912 update potential solution for 5GC related intent expectation | Huawei | revised |  | S5-232782 |
| S5-232300 | pCR 28.912 add potential solution for intent-driven for MDA | Huawei | revised |  | S5-232991 |
| S5-232301 | pCR 28.836 Add use case of intent driven management to modify a network slice | Huawei | revised |  | S5-233054 |
| S5-232302 | pCR 28.836 Add use case of intent driven management for network slice feasibility check | Huawei | noted |  |  |
| S5-232303 | pCR 28.836 Add use case of intent driven management to obtain intent fulfillment report of network slice | Huawei | noted |  |  |
| S5-232304 | pCR 28.836 Add potential solution for IDM to express expectation of network slice service assurance | Huawei | revised |  | S5-232949 |
| S5-232305 | pCR 28.834 move VNF package update solution to clause 6 | Huawei | merged |  | S5-232963 |
| S5-232306 | pCR 28.834 Add potential solution for scaling | Huawei | approved |  |  |
| S5-232307 | pCR 28.834 add conclusion and recommentation for cloud native VNF creation | Huawei | approved |  |  |
| S5-232308 | pCR 28.824 Clarify usage of CAPIF-1 and CAPIF-1e | Huawei | revised |  | S5-232890 |
| S5-232309 | pCR 28.903 add potential solution for resource reservation | Huawei | revised |  | S5-232864 |
| S5-232310 | pCR 28.903 add potential solution for application LCM with MEC-v2 | Huawei | revised |  | S5-233046 |
| S5-232311 | pCR TR 28.912 intents for slice-based cell reselection | Nokia, Nokia Shanghai Bell | revised |  | S5-232630 |
| S5-232312 | Rel-17 CR TS 32.422 Correcting the attribute properties for Excess packet delay threshold attribute | Nokia, Nokia Shangai Bell | agreed |  |  |
| S5-232313 | Rel-17 CR TS 28.622 Correcting the attribute properties for Excess packet delay threshold attribute | Nokia, Nokia Shangai Bell | endorsed |  |  |
| S5-232314 | DP to consider additional virtual resources usage to estimate VNF energy consumption | Nanjing Ericsson Panda Com Ltd | noted |  |  |
| S5-232315 | Rel-18 pCR 32.847 Solution for Key Issue #9 Network Slice Charging by the Tenant | Nokia, Nokia Shanghai Bell | revised |  | S5-232746 |
| S5-232316 | pCR TR 28.908 Add Definitions and terms | Ericsson India Private Limited | revised |  | S5-232794 |
| S5-232317 | pCR TR 28.925 Rapporteur cleanup | HuaWei Technologies Co., Ltd | approved |  |  |
| S5-232318 | pCR 28.925 Add an example for management function deployment scenarios | HuaWei Technologies Co., Ltd | revised |  | S5-232952 |
| S5-232319 | Rel-16 CR 32.158 Clarify URI concept | Nokia, Nokia Shanghai Bell | revised |  | S5-233121 |
| S5-232320 | Rel-17 CR 32.158 Clarify URI concept | Nokia, Nokia Shanghai Bell | revised |  | S5-233122 |
| S5-232321 | Rel-16 CR 32.158 Correct media type of 3GPP JSON Patch and 3GPP JSON Merge Patch | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232322 | Rel-17 CR 32.158 Correct media type of 3GPP JSON Patch and 3GPP JSON Merge Patch | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232323 | pCR TR 28.912 Add Recommendation for Intent Reporting | Ericsson LM | approved |  |  |
| S5-232324 | Rel-16 CR 32.158 Align and clarify definitions for the “Accept” header | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232325 | Rel-17 CR 32.158 Align and clarify definitions for the “Accept” header | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232326 | Rel-16 CR 32.158 Clarify an object must exist when adding members with JSON Patch | Nokia, Nokia Shanghai Bell | revised |  | S5-233123 |
| S5-232327 | Rel-17 CR 32.158 Clarify an object must exist when adding members with JSON Patch | Nokia, Nokia Shanghai Bell | revised |  | S5-233124 |
| S5-232328 | Rel-16 CR 32.158 Correct objectInstance values in examples | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232329 | Rel-17 CR 32.158 Correct objectInstance values in examples | Nokia, Nokia Shnaghai Bell | agreed |  |  |
| S5-232330 | Rel-16 CR 32.158 Remove HTTP GET response examples not used in TS 28.532 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232331 | Rel-17 CR 32.158 Remove HTTP GET response examples not used in TS 28.532 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232332 | Rel-16 CR 32.158 Add missing JSON schema fragment for the JSON Patch document | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232333 | Rel-17 CR 32.158 Add missing JSON schema fragment for the JSON Patch document | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232334 | Rel-16 CR 32.158 Correct format of MnS versions in examples | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232335 | Rel-17 CR 32.158 Correct format of MnS versions in examples | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232336 | Rel-16 CR 32.158 Correct attribute value null | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232337 | Rel-17 CR 32.158 Correct attribute value null | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-232338 | Rel-16 CR 32.158 Clarify the JSON Merge Patch document is a partial resource representation | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232339 | Rel-17 CR 32.158 Clarify the JSON Merge Patch document is a partial resource representation | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232340 | Rel-16 CR 28.532 Align media type names with TS 32.158 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232341 | Rel-17 CR 28.532 Align media type names with TS 32.158 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232342 | Rel-16 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges | Nokia, Nokia Shanghai Bell | revised |  | S5-232954 |
| S5-232343 | Rel-17 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges | Nokia, Nokia Shanghai Bell | revised |  | S5-232955 |
| S5-232344 | Rel-17 CR 28.532 Clarify definitions related to attributes | Nokia, Nokia Shanghai Bell | revised |  | S5-233125 |
| S5-232345 | Rel-18 CR 28.831 Add conclusion for issue 3 Definition of createMOI | Nokia, Nokia Shanghai Bell | revised |  | S5-233035 |
| S5-232346 | Add measurements for distribution of UL delay between NG-RAN and UE (including D1) | Intel | revised |  | S5-233008 |
| S5-232347 | Way forward discussion on network slice in Rel-18 | Ericsson LM, Deutsche Telekom | revised |  | S5-232970 |
| S5-232348 | Rel-18 CR 28.831 Add conclusion for issue 4 Definition of modifyMOIAttributes | Nokia, Nokia Shanghai Bell | revised |  | S5-233036 |
| S5-232349 | Add measurements for average delay between NG-RAN and UE | Intel | not pursued |  |  |
| S5-232350 | Rel-18 CR 28.831 Add issue on Bulk CM operations (stage 2) | Nokia, Nokia Shanghai Bell | revised |  | S5-233037 |
| S5-232351 | Add measurements for DL packet loss rate on Uu | Intel | revised |  | S5-233010 |
| S5-232352 | Rel-18 CR 28.831 Add CR proposal and conclusion for issue on Bulk CM operations (stage 2) | Nokia, Nokia Shanghai Bell | revised |  | S5-233038 |
| S5-232353 | Rel-18 CR 28.831 Add issue on advertising communication options (REST SS) | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-232354 | Rel-18 CR 28.541 Add network slice selection information | Ericsson LM | not pursued |  | - |
| S5-232355 | Input to Draft CR Rel-18 28.104 Add MDA capability for resource utilization analysis | Intel, NEC | revised |  | S5-232995 |
| S5-232356 | Rel-18 CR 28.831 Add general solution for advertising communication options (REST SS) | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-232357 | Input to Draft CR Rel-18 28.104 Add recommended actions for non-3GPP operations | Intel, NEC | noted |  | - |
| S5-232358 | Rel-17 CR 28.541 Clarify use of V2X in service profile | Ericsson LM, Deutsche Telekom | not pursued |  | - |
| S5-232359 | Rel-18 CR 28.831 Add solution for advertising supported HTTP request methods (REST SS) | Nokia, Nokia Shanghai Bell | revised |  | S5-233045 |
| S5-232360 | pCR 28.908 Split AI-ML configuration management into two phases (inference and ML training) | Intel, NEC | revised |  | S5-233083 |
| S5-232361 | Rel-18 CR 28.831 Add solution for advertising supported patch request formats (REST SS) | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-232362 | Rel-18 CR 28.831 Add solution for advertising supported query parameters (REST SS) | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-232363 | Rel-18 CR 28.541 Clarify use of V2X in service profile | Ericsson LM, Deutsche Telekom | not pursued |  | - |
| S5-232364 | pCR 28.908 Add deployment scenarios of AI-ML related capabilities | Intel, NEC | merged |  | S5-233138 |
| S5-232365 | Rel-18 CR 28.831 Add conclusion for issue on advertising communication options (REST SS) | Nokia, Nokia Shanghai Bell | revised |  | S5-233047 |
| S5-232366 | Presentation of TR 28.908 for approval | Intel, NEC | noted |  |  |
| S5-232367 | Rel-18 CR 28.831 Add CR proposal for error response – Supported HTTP error codes | Nokia, Nokia Shanghai Bell | revised |  | S5-233048 |
| S5-232368 | Correction of terminology | Intel, NEC | revised |  | S5-233059 |
| S5-232369 | Rel-18 CR 28.831 Add CR proposal for error response – Error response body format | Nokia, Nokia Shanghai Bell | revised |  | S5-233049 |
| S5-232370 | Correction of terminology | Intel, NEC | merged |  | S5-233061 |
| S5-232371 | Rel-18 CR 28.831 Add CR proposal for error response – Type property | Nokia, Nokia Shanghai Bell | revised |  | S5-233050 |
| S5-232372 | Rel-18 CR 28.831 Add CR proposal for error response – Reason property | Nokia, Nokia Shanghai Bell | revised |  | S5-233051 |
| S5-232373 | Clarify network slicing provisioning use case | Ericsson | revised |  | S5-233086 |
| S5-232374 | Clarify network slicing provisioning use case | Ericsson | revised |  | S5-233087 |
| S5-232375 | Clarify network slicing provisioning use case | Ericsson | revised |  | S5-233088 |
| S5-232376 | Correct Trace IOC attribute names (stage3, yang) | Ericsson | agreed |  |  |
| S5-232377 | Clarify network slicing provisioning use case | Ericsson | revised |  | S5-233089 |
| S5-232378 | Rel-17 CR 28.623 Correct Trace IOC attribute names (stage3, yang) | Ericsson LM | agreed |  |  |
| S5-232379 | Rel-18 CR 28.623 Correct Trace IOC attribute names (stage3, yang) | Ericsson LM | agreed |  |  |
| S5-232380 | Rel-18 CR 28.831 Clarify the mapping from a JSON document into the XPath data model | Nokia, Nokia Shanghai Bell | revised |  | S5-233052 |
| S5-232381 | Rel-16 CR 28.530 Correct network slice abbrevations | Ericsson LM | revised |  | S5-233090 |
| S5-232382 | New WID on SBMA enablers | Nokia, Nokia Shanghai Bell | merged |  | S5-232775 |
| S5-232383 | Rel-17 CR 28.530 Correct network slice abbrevations | Ericsson LM | revised |  | S5-233091 |
| S5-232384 | Rel-16 CR 32.422 Clarify behaviour when cell list is undefined | Ericsson LM | revised |  | S5-233117 |
| S5-232385 | Rel-17 CR 32.422 Clarify behaviour when cell list is undefined | Ericsson LM | revised |  | S5-233118 |
| S5-232386 | Rel-17 CR 28.622 Remove unused create link subscription attribute definition. | Ericsson LM | revised |  | S5-233104 |
| S5-232387 | Rel-18 CR 28.622 Remove unused create link subscription attribute definition. | Ericsson LM | revised |  | S5-233105 |
| S5-232388 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | revised |  | S5-233109 |
| S5-232389 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | revised |  | S5-233110 |
| S5-232390 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | revised |  | S5-233111 |
| S5-232391 | Add Annex recommending QoS model usage | Ericsson | revised |  | S5-232913 |
| S5-232392 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson | revised |  | S5-233112 |
| S5-232393 | Rel-17 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson LM | revised |  | S5-233113 |
| S5-232394 | Rel-18 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson LM | revised |  | S5-233114 |
| S5-232395 | Rel-18 CR 28.104 Clarification of energy saving analysis use case | Intel Belgium SA/NV | withdrawn |  |  |
| S5-232396 | Rel-18 CR 28.552 Revise the PNF Energy consumption measurement | Intel Belgium SA/NV | not pursued |  | - |
| S5-232397 | Rel-18 CR 28.554 Add the KPI of VNF energy consumption | Intel Belgium SA/NV | not pursued |  |  |
| S5-232398 | Rel-16 CR 32.423 Align trace record formats for different reporting methods | Ericsson LM | not pursued |  |  |
| S5-232399 | Rel-17 CR 32.423 Align trace record formats for different reporting methods | Ericsson LM | not pursued |  |  |
| S5-232400 | New WID on measurement data collection to support RAN intelligence | Intel Belgium SA/NV | noted |  | - |
| S5-232401 | pCR TR 28.842 New KI on discovery of stored management data | Microsoft Europe SARL | revised |  | S5-232872 |
| S5-232402 | pCR TR 28.842 New KI on storage of management data | Microsoft Europe SARL | revised |  | S5-232874 |
| S5-232403 | pCR TR 28.842 New KI on enhancing control of management data production | Microsoft Europe SARL | noted |  |  |
| S5-232404 | R18 CR TS 28.552 Add MA PDU session creation measurements for ATSSS | China Telecomunication Corp.,Intel | not pursued |  |  |
| S5-232405 | TS28.312 Rel-17 update stage 3 definition PlmnId | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-232406 | pCR 28.907 Conclusion for KI management of NPN service customer | Huawei | approved |  |  |
| S5-232407 | pCR 28.907 Update conclusion for KI resource isolation demand for Smart Grid Utilities | Huawei | revised |  | S5-232875 |
| S5-232408 | pCR 28.907 Conclusion for KI SLA monitoring and evaluation | Huawei | revised |  | S5-232881 |
| S5-232409 | pCR 28.907 Conclusion for KI exposure of management capabilities and corresponding managed resources | Huawei | revised |  | S5-232878 |
| S5-232410 | Update SID on enhancement of management of NPN | Huawei | revised |  | S5-232879 |
| S5-232411 | pCR 28.907 Rapporteur proposal | Huawei | approved |  |  |
| S5-232412 | Presentation sheet of TR 28.907 for SA Approval | Huawei | approved |  |  |
| S5-232413 | LS to GSMA on E2E Network Slicing Requirements | Huawei | revised |  | S5-232768 |
| S5-232414 | New WID on enhanced management of non-public networks | Huawei | revised |  | S5-232811 |
| S5-232415 | Proposed way forward for NSRULE isolation topic | Huawei, Telefónica | revised |  | S5-233058 |
| S5-232416 | Revised Rel-18 WID on network slicing provisioning rules | Huawei | noted |  |  |
| S5-232417 | New Rel-18 WID on Intent driven Management Service for mobile network phase 2 | Huawei | revised | S5-231200 | S5-232767 |
| S5-232418 | DP on TS structure proposal for generic NRM Fragment | Huawei | noted | S5-231015 |  |
| S5-232419 | pCR TS 28.912 Update Issue#4.7 Monitoring intent fulfilment information | Huawei Device Co., Ltd | revised |  | S5-232778 |
| S5-232420 | Rel-18 pCR 28.828 Solve Editor's Note in SNPN topic 2 | China Mobile | revised |  | S5-232829 |
| S5-232421 | Rel-18 pCR 28.828 Correction on solution #2 for PNI-NPN topic 1 | China Mobile | revised |  | S5-232823 |
| S5-232422 | Rel-18 pCR 28.828 Solve Editor's Note in PNI-NPN topic 1 | China Mobile | revised |  | S5-232824 |
| S5-232423 | Rel-18 pCR 28.828 Correction on conclusion for SNPN topic 2 | China Mobile | revised |  | S5-232825 |
| S5-232424 | Rel-18 pCR 28.828 Correction on conclusion for PNI-NPN topic 1 | China Mobile | revised |  | S5-232826 |
| S5-232425 | Rel-18 pCR 28.828 Add converged charging for data connectivity in PNI-NPN | China Mobile | revised |  | S5-232832 |
| S5-232426 | Rel-18 pCR 28.828 Update conclusions and recommendations | China Mobile | revised |  | S5-232833 |
| S5-232427 | New WID on Management Aspect of 5GLAN | China Mobile Com. Corporation | revised |  | S5-232776 |
| S5-232428 | Presentation of TR 28.828 for approval | China Mobile | approved |  |  |
| S5-232429 | pCR TR28.833 Adding editorial and technical changes | China Mobile Com. Corporation | withdrawn |  |  |
| S5-232430 | New WID on Charging Aspects for Enhanced Support of Non-Public Networks | China Mobile | revised |  | S5-232737 |
| S5-232431 | Presentation sheet of TR 28.833 for SA Approval | China Mobile Com. Corporation | approved |  |  |
| S5-232432 | pCR TR 28.912 Add solutions for monitoring intent fulfilment | China Mobile Com. Corporation | revised |  | S5-232780 |
| S5-232433 | pCR TR 28.912 Add conclusion and recommendation for monitoring intent fulfilment | China Mobile Com. Corporation | revised |  | S5-232781 |
| S5-232434 | pCR 28.912 Add potential solution for intent conflicts | NTT DOCOMO INC. | revised |  | S5-232788 |
| S5-232435 | pCR 28.912 Add reexecution point of intent after intent conflicts resolution | NTT DOCOMO INC. | revised |  | S5-232789 |
| S5-232436 | Rel18 CR for TS28.552 editorial correction | NTT DOCOMO INC. | agreed |  |  |
| S5-232437 | pCR 28.841 add management architectures for satellite components | China Unicom | revised |  | S5-232870 |
| S5-232438 | pCR 28.841 add references and abbreviations | China Unicom | approved |  |  |
| S5-232439 | pCR 28.841 Rapporteur clean up | China Unicom | approved |  |  |
| S5-232440 | pCR 28.841 add conclusions and recommendations | China Unicom, CATT | revised |  | S5-232871 |
| S5-232441 | PCR 28.834 Add use case and solution for healing of cloud-native VNF | AsiaInfo Technologies Inc | revised |  | S5-232962 |
| S5-232442 | Rel-17 CR 28.531 OpenAPI SS for 28.531 | Samsung R&D Institute UK | not pursued |  | - |
| S5-232443 | Rel-18 CR 28.531 OpenAPI SS for 28.531 | Samsung R&D Institute UK | not pursued |  |  |
| S5-232444 | Presentation sheet of TR 28.912 for SA Approval | Huawei Device Co., Ltd | noted |  |  |
| S5-232445 | Rel-17 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | revised |  | S5-233106 |
| S5-232446 | Rel-18&Rel-19 time plan proposal for OAM | SA5 Vice chair (Huawei),SA5 Chair | revised | S5-231032 | S5-232763 |
| S5-232447 | Rel-18 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | revised |  | S5-233107 |
| S5-232448 | Rel-18 CR 28.538 eECM | Samsung R&D Institute UK | revised |  | S5-233019 |
| S5-232449 | Rel-18 CR 28.104 MDAS COSLA interworking | Samsung R&D Institute UK | not pursued |  | - |
| S5-232450 | Rel-17 CR 28.536 adding missing assuranceScope in AssuranceGoal | Samsung R&D Institute UK | agreed |  |  |
| S5-232451 | pCR 28.824 Add Conclusion for network slice management capability exposure via CAPIF | Alibaba (China) Group., Ltd. AsiaInfo | withdrawn |  |  |
| S5-232452 | new WID on Enhancement of service based management architecture | HuaWei Technologies Co., Ltd | revised | S5-231047 | S5-232775 |
| S5-232453 | pCR 28.912 Transparent Intent Reporting Window | Samsung R&D Institute UK | withdrawn |  |  |
| S5-232454 | pCR TR28.833 Adding editorial and technical changes | China Mobile, Huawei | revised |  | S5-233003 |
| S5-232455 | pCR 28.912 Transparent Intent Reporting Window | Samsung R&D Institute UK | revised |  | S5-232784 |
| S5-232456 | New WID on network slice management capability exposure | Alibaba Group, AsiaInfo, China mobile, China Unicom | withdrawn |  |  |
| S5-232457 | remove redundant stage 3 definition for Mnc and PlmnId | Nokia, Nokia Shanghai Bell | agreed | S5-232125 |  |
| S5-232458 | Collection of Rel-19 OAM potential topics for SA workshop preparation | HuaWei Technologies Co., Ltd | withdrawn |  |  |
| S5-232459 | SA5 Collection of Rel-19 potential topics for SA workshop preparation | SA5 Vice chair (Huawei) | revised |  | S5-232752 |
| S5-232460 | TS28.541 Rel-17 Fix IpAddr definition and references | Nokia, Nokia Shanghai Bell | agreed | S5-232127 |  |
| S5-232461 | TS28.623 Rel-17 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | revised | S5-232130 | S5-233094 |
| S5-232462 | Rel-18 WI Management Features | 3GPP SA5 VC (Huawei) | noted |  |  |
| S5-232463 | TS28.312 Rel-17 update stage 3 definition PlmnId | Nokia, Nokia Shanghai Bell | agreed | S5-232237 |  |
| S5-232464 | Correct the Management Data Analytics Capability Description | Huawei | revised |  | S5-232985 |
| S5-232465 | Correct the Management Data Analytics Capability Description | Huawei | revised |  | S5-232986 |
| S5-232466 | Correct the Management Data Analytics Capability Description | Huawei | revised |  | S5-232987 |
| S5-232467 | Updates for generic management services | Huawei | agreed |  |  |
| S5-232468 | Updates for generic management services | Huawei | agreed |  |  |
| S5-232469 | Updates for generic management services | Huawei | agreed |  |  |
| S5-232470 | pCR 28.903 Add KI for Federation Management | Huawei | revised |  | S5-232861 |
| S5-232471 | pCR 28.903 NBI Related Key Issues | Samsung R&D Institute UK | revised |  | S5-232862 |
| S5-232472 | New WID on Management Aspects of NTN | China Unicom,CATT | revised |  | S5-232809 |
| S5-232473 | pCR 28.903 NBI Related Solutions | Samsung R&D Institute UK | revised |  | S5-232863 |
| S5-232474 | pCR 28.903 GSMA OP and ECM Concept Mapping | Samsung R&D Institute UK | revised |  | S5-232865 |
| S5-232475 | Rel-18 pCR 28.826 Add the potential solution for Common IEs applied | Huawei | revised |  | S5-232747 |
| S5-232476 | Rel-18 pCR 28.826 Add the solution for reporting depending on the triggers | Huawei | revised |  | S5-232748 |
| S5-232477 | Rel-18 pCR 28.826 Clarify the solution 1.1 | Huawei | revised |  | S5-232749 |
| S5-232478 | Rel-18 pCR 28.826 Correction on the potential solutions for key issue #1l | Huawei | revised |  | S5-232750 |
| S5-232479 | Rel-18 pCR 28.826 Add the solution for Bitrate charging | Huawei | revised |  | S5-232798 |
| S5-232480 | Rel-18 pCR 28.826 Evaluation and Conclusion | Huawei | revised |  | S5-232819 |
| S5-232481 | Rel-18 pCR 28.827 Minor corrections | Huawei | approved |  |  |
| S5-232482 | Rel-18 pCR 28.827 Clarification on SMS related solutions | Huawei | revised |  | S5-232821 |
| S5-232483 | Rel-18 pCR 28.827 Correction on solution #1.4 | Huawei | revised |  | S5-232822 |
| S5-232484 | Rel-18 pCR 28.827 Corrections on solution #1.11 | Huawei | revised |  | S5-232934 |
| S5-232485 | Rel-18 pCR 28.827 EN removal and clarification in solution #2.10 | Huawei | revised |  | S5-232935 |
| S5-232486 | Rel-18 pCR 28.827 Conclusion of clause 7.1 | Huawei | revised |  | S5-232939 |
| S5-232487 | Rel-18 pCR 28.827 Conclusion of clause 7.2 | Huawei | revised |  | S5-232941 |
| S5-232488 | Rel-18 pCR 28.827 Enhancement of solution #5.1 | Huawei | merged |  | S5-232943 |
| S5-232489 | Rel-18 pCR 28.828 Remove editor's note for the Topic 1 | Huawei | revised |  | S5-232828 |
| S5-232490 | Rel-18 pCR 28.828 Remove editor's note for the Topic 3 | Huawei | revised |  | S5-232831 |
| S5-232491 | Rel-18 pCR 28.828 Correction on the solution 3 in the Topic 1 | Huawei | revised |  | S5-232827 |
| S5-232492 | Rel-18 pCR 28.828 Correction on the solution 2 in the Topic 3 | Huawei | revised |  | S5-232830 |
| S5-232493 | Rel-18 pCR 28.839 Add Use Case for Enablers for Time Sensitive Communications | Huawei | revised |  | S5-232834 |
| S5-232494 | Rel-18 pCR 28.839 Add Use Case for Time Sensitive Communication | Huawei | revised |  | S5-232835 |
| S5-232495 | Rel-18 pCR 28.839 Add Use Case for TSN 5GS bridge Charging | Huawei | revised |  | S5-232836 |
| S5-232496 | Rel-18 pCR TR 28.839 Add solution for the Network Exposure Charging | Huawei | revised |  | S5-232837 |
| S5-232497 | Rel-18 pCR TR28.843 v0.0.0 Initial skeleton | Huawei | approved |  |  |
| S5-232498 | Rel-18 pCR TR28.843 Update of the Skeleton | Huawei | revised |  | S5-232840 |
| S5-232499 | Rel-18 pCR TR28.843 Update of the Scope | Huawei | revised |  | S5-232841 |
| S5-232500 | Rel-18 pCR TR28.843 Update of the Reference | Huawei | revised |  | S5-232842 |
| S5-232501 | Rel-18 pCR TR28.843 Addition of Charging Specification Reference Consideration | Huawei | revised |  | S5-232843 |
| S5-232502 | Rel-18 pCR TR28.843 Addition of General description for background | Huawei | revised |  | S5-232844 |
| S5-232503 | Rel-18 pCR TR28.843 Addition of the Business Roles | Huawei | revised |  | S5-232845 |
| S5-232504 | Rel-18 pCR TR28.843 Addition of the key issue for consideration | Huawei | revised |  | S5-232917 |
| S5-232505 | Collection of useful charging endorsed and external communication documents | Huawei | revised |  | S5-233031 |
| S5-232506 | Correct the change of PRA for Roaming | Huawei | agreed |  |  |
| S5-232507 | Correction on the YAML | Huawei | revised |  | S5-232921 |
| S5-232508 | Correction on the Yaml | Huawei | revised |  | S5-232923 |
| S5-232509 | pCR 28.903 EWBI Related Key Issues | Samsung R&D Institute UK | revised |  | S5-232860 |
| S5-232510 | pCR 28.831 Logging Key Issues | Samsung R&D Institute UK | revised |  | S5-233053 |
| S5-232511 | pCR 28.831 Multiple alarms in single notifyNewAlarm Key Issue | Samsung R&D Institute UK | revised |  | S5-233034 |
| S5-232512 | Rel-17 CR 32.158 Correct attribute value null | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-232513 | New Rel-18 WID on Management Aspect of 5G Network Sharing Phase2 | China Unicom, Huawei, CATT, China Telecom, ZTE, CMCC, AsiaInfo | revised |  | S5-233131 |
| S5-232514 | 3GPP TR 28.844-000 initial skeleton | CATT | revised |  | S5-232839 |
| S5-232515 | Add the skeleton to TR 28.844 | CATT | approved |  |  |
| S5-232516 | Add scope and reference to TR 28.844 | CATT | revised |  | S5-232838 |
| S5-232517 | New Rel-18 WID on Management Aspects of URLLC | China Unicom, Huawei, CATT, China Telecom, ZTE, CMCC, AsiaInfo | revised |  | S5-233130 |
| S5-232518 | Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions | Nokia, Nokia Shanghai Bell | revised |  | S5-232565 |
| S5-232519 | Add conclusion and recommendation for issue #1 | China Unicom | revised |  | S5-232971 |
| S5-232520 | Add conclusion and recommendation for issue #2 | China Unicom | revised |  | S5-232969 |
| S5-232521 | Add conclusion and recommendation for issue #3 | China Unicom | revised |  | S5-233126 |
| S5-232522 | Add conclusion and recommendation for issue #5 | China Unicom | revised |  | S5-233127 |
| S5-232523 | Add conclusion and recommendation for issue #7 | China Unicom | approved |  |  |
| S5-232524 | Add conclusion and recommendation for issue #8 | China Unicom | approved |  |  |
| S5-232525 | Add conclusion and recommendation for issue #4 | China Unicom | revised |  | S5-232973 |
| S5-232526 | Add conclusion and recommendation for issue #6 | China Unicom | approved |  |  |
| S5-232527 | Add Conclusion and recommendation for Issue#1 | China Unicom | revised |  | S5-232956 |
| S5-232528 | DP on way forward for mulitple data collection mechanisms | Huawei | revised | S5-231040 | S5-232902 |
| S5-232529 | Add Conclusion and recommendation for Issue #4 | China Unicom | revised |  | S5-232957 |
| S5-232530 | New WID on autonomous network levels phase 2 | China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom, Intel | revised | S5-231089 | S5-232769 |
| S5-232531 | pCR TR 28.910 Add key issues and potential solutions for existing scenarios in TS 28.100 | China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom | revised |  | S5-232887 |
| S5-232532 | pCR TR 28.909 Add key issues and potential solutions for ANLEVA | China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom | revised |  | S5-232888 |
| S5-232533 | Add Solution for configuration of latency for URLLC in RAN over the air interface | China Unicom, Huawei | revised |  | S5-232958 |
| S5-232534 | Add new solution for support for performance measurements related on URLLC resource load | China Unicom | noted |  | - |
| S5-232535 | Add New Solution for URLLC performance management related to reliability in RAN | China Unicom | noted |  | - |
| S5-232536 | pCR 28.834 Add use case and solution for VNF package management of the cloud-native VNF | AsiaInfo Technologies Inc | revised |  | S5-232963 |
| S5-232537 | NaaS ecosystem and 3GPP SA5 work on capability exposure | TELEFONICA S.A., AT&T, Deustche Telekom | noted |  |  |
| S5-232538 | SA5 way forward on capability exposure topic | TELEFONICA S.A. | revised |  | S5-232893 |
| S5-232539 | Add New Key issue on Energy Efficiency of URLLC network slice- RAN based | China Unicom | revised |  | S5-232711 |
| S5-232540 | Add potential solution for Energy Efficiency KPI of URLLC Network Slice based on both latency and reliability | China Unicom | revised |  | S5-232712 |
| S5-232541 | pCR TR 28.863 Issue #1 Concept of KQI | Huawei | merged |  | S5-233108 |
| S5-232542 | pCR TR 28.863 Issue3 Video uploading description | Huawei | revised |  | S5-232866 |
| S5-232543 | DP on roaming charging data collection | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-232544 | pCR TR 28.910 Add key issues for management of ANL | Huawei, China Mobile, AsiaInfo, CATT, China Unicom | noted | S5-226213 |  |
| S5-232545 | pCR TR 28.863 Issue4 Remote control description | Huawei | noted |  |  |
| S5-232546 | pCR TR 28.863 Issue5 Description of SLS requirements | Huawei | noted |  |  |
| S5-232547 | Update lifecycle phase description of closed control loop | Huawei | not pursued |  |  |
| S5-232548 | Update coordination between closed control loops | Huawei | agreed |  |  |
| S5-232549 | Rel-18 CR 32.291 Slice-aware charging for Roaming partners | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-232550 | pCR TR 28.830 Add concept of anomaly report | Huawei, China Mobile | revised |  | S5-233020 |
| S5-232551 | pCR TR 28.830 Add description of management capability | Huawei, China Mobile | revised |  | S5-233021 |
| S5-232552 | pCR TR 28.830 Add description of fault related analysis | Huawei, China Mobile | revised |  | S5-233022 |
| S5-232553 | pCR TR 28.865 Add requirements for DCSA | Huawei | revised |  | S5-232849 |
| S5-232554 | pCR TR 28.865 Add solution of network capability preparation | Huawei | revised |  | S5-232889 |
| S5-232555 | pCR TR 28.865 Add solution of service and network analysis | Huawei | revised |  | S5-233133 |
| S5-232556 | Rel-18 pCR 28.826 Solution for Key issues #1f and #1g (Essential CDR) | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-232557 | New Rel-18 WID on Enhancement of the Management Aspects related to NWDAF | Chinatelecom Cloud | revised |  | S5-232773 |
| S5-232558 | Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions | Nokia, Nokia Shanghai Bell | withdrawn | - |  |
| S5-232559 | Add conclusions for KI#1 and KI#2 | Chinatelecom Cloud | approved |  |  |
| S5-232560 | pCR 28.864 Update the evaluation and add the conclusion for KI#3 | Chinatelecom Cloud | approved |  |  |
| S5-232561 | pCR 28.864 Add the evaluation and conclusion for KI#4 | Chinatelecom Cloud | approved |  |  |
| S5-232562 | pCR 28.864 Add conclusions for KI#5 and KI#6 | Chinatelecom Cloud | approved |  |  |
| S5-232563 | pCR 28.864 Add the evaluation and conclusion for KI#7 | Chinatelecom Cloud | approved |  |  |
| S5-232564 | pCR 28.864 Add conclusions and recommendations for TR 28.864 | Chinatelecom Cloud | revised |  | S5-233004 |
| S5-232565 | Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions Title | Nokia, Nokia Shanghai Bell | revised | S5-232518 | S5-233079 |
| S5-232566 | pCR 28.824 Add Conclusion for network slice management capability exposure via CAPIF | Alibaba Group, AsiaInfo | revised |  | S5-232900 |
| S5-232567 | New WID on network slice management capability exposure | Alibaba Group, AsiaInfo, China mobile, China Unicom | revised |  | S5-232812 |
| S5-232568 | Correction of integrity KPIs | Ericsson LM | agreed |  |  |
| S5-232569 | Correction of integrity KPIs | Ericsson LM | agreed |  |  |
| S5-232570 | Correction of integrity KPIs | Ericsson LM | agreed |  |  |
| S5-232571 | Correction of integrity KPIs | Ericsson LM | agreed |  |  |
| S5-232572 | Rel-17 CR 32.255 Correction of UPFId in QBC | Ericsson LM | revised |  | S5-232924 |
| S5-232573 | Rel-17 CR 32.291 Correction of UPFId in QBC | Ericsson LM | revised |  | S5-232925 |
| S5-232574 | Rel-18 CR 32.291 Correction of UPFId in QBC | Ericsson LM | revised |  | S5-232926 |
| S5-232575 | Rel-17 CR 32.298 Correction of UPFId in QBC | Ericsson LM | revised |  | S5-232927 |
| S5-232576 | Rel-18 CR 32.298 Correction of UPFId in QBC | Ericsson LM | revised |  | S5-232928 |
| S5-232577 | Rel-17 CR 32.255 Inconsistent use of charging identifier | Ericsson LM | revised |  | S5-232929 |
| S5-232578 | Rel-18 CR 32.291 Correction of quota management indicator | Ericsson LM | agreed |  |  |
| S5-232579 | Rel-18 CR 32.254 Correcting supported feature and charging identifier | Ericsson LM | revised |  | S5-232930 |
| S5-232580 | Rel-18 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | revised | S5-226659 | S5-232931 |
| S5-232581 | Rel-18 CR 32.291 Missing operation and identifier in NEF charging information | Ericsson LM | revised | S5-226419 | S5-232932 |
| S5-232582 | Rel-18 CR 32.298 Missing operation and identifier in NEF charging information | Ericsson LM | revised | S5-226420 | S5-232933 |
| S5-232583 | Rel-18 CR 32.291 Correction of QBC roaming | Ericsson LM | withdrawn |  |  |
| S5-232584 | Rel-18 pCR 28.826 Correcting use cases and key issues in clause 5.1 | Ericsson LM | approved |  |  |
| S5-232585 | Rel-18 pCR 28.826 Adding service identifier based solution to clause 5.3 | Ericsson LM | revised |  | S5-232799 |
| S5-232586 | Rel-18 pCR 28.826 Adding solutions to undefined attribute handling in CDR | Ericsson LM | revised |  | S5-232801 |
| S5-232587 | Rel-18 pCR 28.826 Adding use case requested units and quota management indication | Ericsson LM | revised |  | S5-232802 |
| S5-232588 | Rel-18 pCR 28.826 Additional evaluation to clause 5.1 | Ericsson LM | revised |  | S5-232805 |
| S5-232589 | Rel-18 pCR 28.826 Solving termination action issue | Ericsson LM | revised |  | S5-232797 |
| S5-232590 | Rel-18 pCR 28.826 Additional evaluation to clause 5.3 | Ericsson LM | revised |  | S5-232816 |
| S5-232591 | Rel-18 pCR 28.826 Updating solution in clause 5.4 | Ericsson LM | revised |  | S5-232804 |
| S5-232592 | Rel-18 pCR 28.826 Additional evaluation in clause 5.4 | Ericsson LM | revised |  | S5-232817 |
| S5-232593 | Rel-18 pCR 28.826 Adding evaluation to clause 5.2 | Ericsson LM | revised |  | S5-232806 |
| S5-232594 | Rel-18 pCR 28.826 Adding solution to clause 5.1 on location accuracy | Ericsson LM | revised |  | S5-232803 |
| S5-232595 | Rel-18 pCR 28.826 Add evaluation to clause 5.5 of solution #5.6 | Ericsson LM | revised |  | S5-232818 |
| S5-232596 | Rel-18 pCR 28.827 Adding evaluation of solutions for clause 7.1 | Ericsson LM | revised |  | S5-232938 |
| S5-232597 | Rel-18 pCR 28.827 Correcting solution #1.11 in clause 7.1 | Ericsson LM | merged |  | S5-232934 |
| S5-232598 | Rel-18 pCR 28.827 Adding solution in clause 7.1 for PDU session triggers | Ericsson LM | revised |  | S5-232936 |
| S5-232599 | Rel-18 pCR 28.827 Adding solution in clause 7.1 for QoS flow session triggers | Ericsson LM | revised |  | S5-232937 |
| S5-232600 | Rel-18 pCR 28.827 Additional evaluation of solutions for clause 7.2 | Ericsson LM | revised |  | S5-232940 |
| S5-232601 | Rel-18 pCR 28.827 Additional evaluation of solutions for clause 7.4 | Ericsson LM | revised |  | S5-232942 |
| S5-232602 | Rel-18 pCR 28.827 Additional solutions for key issue #5d in clause 7.5 | Ericsson LM | revised |  | S5-232943 |
| S5-232603 | Rel-18 pCR 28.827 Additional solution for key issue #5f in clause 7.5 | Ericsson LM | revised |  | S5-232945 |
| S5-232604 | Rel-18 pCR 28.827 Additional solutions for key issue #5e in clause 7.5 | Ericsson LM | revised |  | S5-232944 |
| S5-232605 | Rel-18 pCR 28.827 Adding solution in clause 7.6 for UE usage information reporting | Ericsson LM | noted |  |  |
| S5-232606 | Rel-18 28.533 DraftCR for Authentication and Authorization usecase | Nokia, Nokia Shanghai Bell | revised |  | S5-233005 |
| S5-232607 | Rel-18 28.533 DraftCR for Identity to roles usecase | Nokia, Nokia Shanghai Bell | revised |  | S5-233006 |
| S5-232608 | Rel-18 28.533 DraftCR for roles to policies and criteria usecase | Nokia, Nokia Shanghai Bell | revised |  | S5-233007 |
| S5-232609 | Rel-18 28.533 DraftCR for policies related to resources and operations usecase | Nokia, Nokia Shanghai Bell | merged |  | S5-233005 |
| S5-232610 | Rel-18 28.533 DraftCR for granularity of resources and operations usecase | Nokia, Nokia Shanghai Bell | merged |  | S5-233005 |
| S5-232611 | LS on RAN UE Id optionality | Ericsson LM | revised |  | S5-232761 |
| S5-232612 | pCR TR28.908 update AIML management capabilities | Nokia, Nokia Shanghai Bell | revised | S5-232248 | S5-232793 |
| S5-232613 | pCR TR28.908 Potential Solution on AIML trustworthiness indicators | Nokia, Nokia Shanghai Bell | revised | S5-232249 | S5-232974 |
| S5-232614 | pCR TR28.908 Potential Solution on AIML data trustworthiness | Nokia, Nokia Shanghai Bell | approved | S5-232250 |  |
| S5-232615 | pCR TR28.908 Potential Solution on AIML training trustworthiness | Nokia, Nokia Shanghai Bell | approved | S5-232251 |  |
| S5-232616 | pCR TR28.908 Potential Solution on AIML inference trustworthiness | Nokia, Nokia Shanghai Bell | withdrawn | S5-232252 |  |
| S5-232617 | pCR TR28.908 Potential Solution on AIML inference trustworthiness | Nokia, Nokia Shanghai Bell | approved | S5-232252 |  |
| S5-232618 | pCR 28.908 Assessment of ML trustworthiness | Nokia, Nokia Shanghai Bell | approved | S5-232253 |  |
| S5-232619 | pCR 28.908 Extend coordination of AIML capabilities | Nokia, Nokia Shanghai Bell | noted | S5-232254 |  |
| S5-232620 | pCR 28.908 Updates and Corrections for Configuration Management | Ericsson Telecomunicazioni SpA | revised |  | S5-232815 |
| S5-232621 | pCR 28.908 Use case & Potential solution on Transfer learning | Nokia, Nokia Shanghai Bell | revised | S5-232255 | S5-232808 |
| S5-232622 | pCR 28.908 Extend ML update management | Nokia, Nokia Shanghai Bell | noted | S5-232256 | - |
| S5-232623 | pCR TR28.908 AIML Update control | Nokia, Nokia Shanghai Bell | revised | S5-232257 | S5-232975 |
| S5-232624 | Update of Study on Enhancement of the management aspects related to NWDAF | China Telecom | endorsed | S5-215499 |  |
| S5-232625 | pCR TR 28.912 Potential Solution on Intent-driven Closed Loop control | Nokia, Nokia Shanghai Bell | revised | S5-232259 | S5-232876 |
| S5-232626 | pCR TR 28.912 Potential solution for Intent handling capability | Nokia, Nokia Shanghai Bell | noted | S5-232260 |  |
| S5-232627 | pCR TR 28.912 Intent Fullfillment feedback | Nokia, Nokia Shanghai Bell | revised | S5-232261 | S5-232877 |
| S5-232628 | pCR TR 28.912 enhance service support expectation | Nokia, Nokia Shanghai Bell | revised | S5-232262 | S5-232787 |
| S5-232629 | pCR TR 28.912 Additions to Conclusion and recommendation | Nokia, Nokia Shanghai Bell | revised | S5-232263 | S5-232792 |
| S5-232630 | pCR TR 28.912 intents for slice-based cell reselection | Nokia, Nokia Shanghai Bell | revised | S5-232311 | S5-232950 |
| S5-232631 | pCR TR 28.912 Conclusion on Testing Intent-driven MnS Capabilities | Nokia, Nokia Shanghai Bell | revised |  | S5-232951 |
| S5-232632 | Rel-17 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover | ZTE Corporation | revised |  | S5-233115 |
| S5-232633 | Presentation of Report to TSG: TR28.864, Version 0.6.0 | China Telecommunications | approved |  |  |
| S5-232634 | Rel-18 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover | ZTE Corporation | revised |  | S5-233116 |
| S5-232635 | Rel-18 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions | ZTE Corporation | agreed |  |  |
| S5-232636 | Rel-18 CR for TS28.552 Correct Mean and Max Time of requested legacy handover executions | ZTE Corporation | agreed |  |  |
| S5-232637 | pCR TR 28.835 Add recommendation for KI#2 | ZTE Corporation | merged |  | S5-232969 |
| S5-232638 | Update the Scope section of TR 28864 | China Telecommunications | revised |  | S5-232999 |
| S5-232639 | Rel-18 CR for TS28.552 editorial Corrections | ZTE Corporation | agreed |  |  |
| S5-232640 | Rel-18 pCR 28.829 – Conclusion and Recommendation for Key Issue 1 - MNO exposes Network Performance Monitoring to DSO | Samsung, EUTC, EDF, BMWK, Deutsche Telekom | revised |  | S5-232894 |
| S5-232641 | Rel-18 pCR 28.829 – Conclusion and Recommendation for Key Issue i (energy utility and telecommunication coordinated recovery of energy service) | Samsung, EUTC, EDF, BMWK | revised |  | S5-232895 |
| S5-232642 | pCR 28.908 Add use case on multiple ML entities testing | CATT | revised |  | S5-233009 |
| S5-232643 | pCR 28.908 Add possible solution for multiple ML entities testing | CATT | approved |  |  |
| S5-232644 | pCR 28.841 Add use case for NTN mobility management enhancement | CATT | revised |  | S5-232867 |
| S5-232645 | pCR 28.841 Add potential requirement for NTN mobility management enhancement | CATT | revised |  | S5-232868 |
| S5-232646 | pCR 28.841 Add possible solution for NTN mobility management enhancement | CATT | revised |  | S5-232869 |
| S5-232647 | Rel-18 pCR 28.829 – Key Issue for Energy utility and telecommunication coordinated rapid recovery of energy service | Samsung, EUTC, EDF, BMWK, Deutsche Telekom | revised |  | S5-232896 |
| S5-232648 | Discussion on network slice controller in Rel-18 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-232649 | Rel-18 pCR 28.829 – Potential Solution for Energy utility and telecommunication coordinated rapid recovery of energy service | Samsung, EUTC, EDF, BMWK, Deutsche Telekom | revised |  | S5-232897 |
| S5-232650 | Rel-18 pCR 28.829 – New use case for Rapid Intervention for Outages without Redundant Topology | Samsung, EUTC, EDF, BMWK, Deutsche Telekom | revised |  | S5-232898 |
| S5-232651 | New Work Item on Network and Service Operations for Energy Utilities | Samsung, EUTC, EDF, BMWK, Deutsche Telekom | revised |  | S5-232813 |
| S5-232652 | Presentation of Report to TSG: TR 28.829, Version 0.6.0 | Samsung | revised |  | S5-233064 |
| S5-232653 | pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements | ZTE Corporation | noted |  | - |
| S5-232654 | Decomposing Charging Function by Domain | Amdocs Software Systems Ltd | noted |  |  |
| S5-232655 | 28829 pCR Annex on NSOEU Applicability | Samsung | revised |  | S5-233065 |
| S5-232656 | Rel-18 pCR 28.829 Completion of 7.1.2.1 | Samsung, EUTC, EDF, BMWK | revised |  | S5-232850 |
| S5-232657 | Rel-18 pCR 28.829 Discontinuing work on objective #2 | Samsung, EUTC, EDF, BMWK | approved |  |  |
| S5-232658 | Rel-18 pCR 28.829 Clean Up 6.1, 6.3 | Samsung, EUTC, EDF, BMWK | revised |  | S5-232851 |
| S5-232659 | Rel-18 pCR 28.829 Update 6.4, 6.5, 6.6 | Samsung, EUTC, EDF, BMWK | revised |  | S5-232852 |
| S5-232660 | Rel-18 pCR 28.829 – Update 6.7 | Samsung, EUTC, EDF, BMWK | revised |  | S5-232854 |
| S5-232661 | Rel-18 pCR 28.829 – Update 6.8 | Samsung, EUTC, EDF, BMWK | revised |  | S5-232856 |
| S5-232662 | New WID on Management of cloud-native Virtualized Network Functions | China Mobile E-Commerce Co. | revised |  | S5-232810 |
| S5-232663 | FS\_NSOEU and NSOEU WoP | Samsung | noted |  | - |
| S5-232664 | pCR 28.834 Add conclusion and recommendation | China Mobile E-Commerce Co. | revised |  | S5-232966 |
| S5-232665 | pCR 28.834 Update solution for management of the cloud-native VNF using generic OAM functions | China Mobile E-Commerce Co. | revised |  | S5-232967 |
| S5-232666 | Providing Requirement Text for KI#1 and KI#2 in TR 28864 | China Telecommunications | revised |  | S5-233000 |
| S5-232667 | Rescoping of New Study on Structure of Charging for Verticals | VODAFONE Group Plc | revised |  | S5-232738 |
| S5-232668 | pCR TR 28.863 definition of KQI | Nokia | revised |  | S5-233108 |
| S5-232669 | pCR TR 28.863 definition of Remote controlling | Nokia | noted |  |  |
| S5-232670 | Rel-18 pCR 28.829 – Update 6.1 | Nokia | revised |  | S5-232857 |
| S5-232671 | Rel-18 pCR 28.829 – Update 6.2 | Nokia | approved |  | - |
| S5-232672 | Rel-18 pCR 28.829 – Update 6.3 | Nokia | revised |  | S5-232858 |
| S5-232673 | Rel-18 pCR 28.829 – Update 6.4 | Nokia | approved |  |  |
| S5-232674 | Rel-18 pCR 28.829 – Update 6.5 | Nokia | revised |  | S5-232859 |
| S5-232675 | Rel-18 pCR 28.829 – Update 6.6 | Nokia | approved |  |  |
| S5-232676 | Rel-18 pCR 28.829 – Update 6.7 | Nokia | merged |  | S5-232854 |
| S5-232677 | Rel-18 pCR 28.829 – Update 6.8 | Nokia | revised |  | S5-232855 |
| S5-232678 | Rel-18 pCR 28.829 – Update 7 | Nokia | approved |  |  |
| S5-232679 | Rel-17 CR for TS28.535 delete redundant monitoring content of the management system | ZTE Corporation | agreed |  |  |
| S5-232680 | Rel-17 CR for TS32.130 correct the wrong figure number | ZTE Corporation | agreed |  |  |
| S5-232681 | Rel-17 CR for TS28.557 Correct wrong abbreviation for Data Centre Service Provider | ZTE Corporation | agreed |  |  |
| S5-232682 | pCR TR 28.908 Resolving overlap in use cases – Trustworthy Machine Learning | NEC, Intel | noted |  |  |
| S5-232683 | pCR TR 28.908 Resolving overlap in use cases – Performance evaluation | NEC, Intel | noted |  | - |
| S5-232684 | Correct YANG for ReportingCtrl | Ericsson Hungary Ltd | agreed |  |  |
| S5-232685 | Service Management | Ericsson | revised |  | S5-232766 |
| S5-232686 | New WID on enhance SBMA specifications structure | Ericsson | merged |  | S5-232775 |
| S5-232687 | Recommendation and conclusion for 28.910 | Ericsson | noted |  |  |
| S5-232688 | Recommendation and conclusion for 28.909 | Ericsson GmbH, Eurolab | noted |  |  |
| S5-232689 | URLLC solutions | Ericsson | revised |  | S5-232959 |
| S5-232690 | Clarification of Requirements and Use Case template | Ericsson Hungary Ltd | revised |  | S5-233073 |
| S5-232691 | Rel-17 CR 32.240 Fixing IRP definitions | CATT | agreed |  |  |
| S5-232692 | Rel-18 CR 32.240 Fixing IRP definitions | CATT | agreed |  |  |
| S5-232693 | S5-232693 Rel-17 CR TS 28.554 Energy Efficiency KPI of a URLLC network slice based on reliability | BEIJING SAMSUNG TELECOM R&D | withdrawn |  |  |
| S5-232694 | Update KI#3 KI#4 Requirements in TR28864 | China Telecommunications | revised |  | S5-233001 |
| S5-232695 | Rel-18 CR TS 28.554 Energy Efficiency KPI of a URLLC network slice based on reliability | BEIJING SAMSUNG TELECOM R&D | not pursued |  | - |
| S5-232696 | Provide description of the requirements having been discussed in KI#5 TR28864 | China Telecommunications | revised |  | S5-233002 |
| S5-232697 | Correction of reference list | Ericsson | agreed |  |  |
| S5-232698 | Correction of reference list | Ericsson | agreed |  |  |
| S5-232699 | Correction of reference list | Ericsson | agreed |  |  |
| S5-232700 | Rel-18 pCR 28.913 Add Conclusion and Recommendation for Key Issue 6 | BEIJING SAMSUNG TELECOM R&D | revised |  | S5-232883 |
| S5-232701 | pCR TR 28.908 Add definitions and terms | Ericsson India Private Limited | revised |  | S5-232795 |
| S5-232702 | Rel-11 CR TS 28.622 Correction of attribute dnPrefix | Ericsson India Private Limited | agreed |  |  |
| S5-232703 | Correction of attribute dnPrefix | Ericsson | agreed |  |  |
| S5-232704 | Correction of attribute dnPrefix | Ericsson | agreed |  |  |
| S5-232705 | Correction of attribute dnPrefix | Ericsson | agreed |  |  |
| S5-232706 | Correction of attribute dnPrefix | Ericsson | agreed |  |  |
| S5-232707 | pCR 28.831 Trigger Key Issues | Samsung R&D Institute UK | revised |  | S5-233055 |
| S5-232708 | Correction of attribute dnPrefix | Ericsson | agreed |  |  |
| S5-232709 | Correction of attribute dnPrefix | Ericsson | agreed |  |  |
| S5-232710 | Correction of attribute dnPrefix | Ericsson | revised |  | S5-233132 |
| S5-232711 | Add New Key issue on Energy Efficiency of URLLC network slice- RAN based | China Unicom, China Telecom | noted | S5-232539 | - |
| S5-232712 | Add potential solution for Energy Efficiency KPI of URLLC Network Slice based on both latency and reliability | China Unicom, China Telecom | noted | S5-232540 |  |
| S5-232713 | Correction of attribute availableRANqoEMetrics properties | Ericsson | agreed |  |  |
| S5-232714 | Input to draft CR Rel-18 28.104 Revise energy saving analysis use case | Intel Belgium SA/NV | revised |  | S5-232994 |
| S5-232715 | Rel-17 CR TS 28.105 Correction of the figure for ML training function | Ericsson India Private Limited | revised |  | S5-233063 |
| S5-232716 | Rel-17 CR 28.532 Add predicted alarms (stage 2) | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-232717 | DP on relationship between NEST, URSP and ServiceProfile | TELEFONICA S.A. | revised |  | S5-233092 |
| S5-232718 | Add key issue on enhancing the description of management data | Nokia Germany | revised |  | S5-232873 |
| S5-232719 | YANG Corrections | Ericsson Hungary Ltd | agreed |  |  |
| S5-232720 | Non-Rel18 OpenAPI files handling in Rel18 branch | Nokia, Nokia Shanghai Bell | endorsed |  |  |
| S5-232721 | CH agenda and time plan | WG vice Chair (Matrixx Software) | noted | S5-232008 | - |
| S5-232722 | Draft TS 28.203 | MATRIXX Software | approved | - | - |
| S5-232723 | Draft TR 32.847 | MATRIXX Software | approved | - | - |
| S5-232724 | Draft TR 28.826 | Ericsson | approved | - | - |
| S5-232725 | Draft TR 28.827 | Ericsson | approved | - | - |
| S5-232726 | Draft TR 28.828 | China Mobile | approved | - | - |
| S5-232727 | draft TR 28.839 | Huawei | approved | - | - |
| S5-232728 | Draft TR 28.840 | Nokia | approved | - | - |
| S5-232729 | Draft TR 28.843 | Huawei | approved | - | - |
| S5-232730 | Draft TR 28.844 | CATT | approved | - | - |
| S5-232731 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | withdrawn | - | - |
| S5-232732 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-232733 | Rel-18 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-232734 | LS Reply on shared EHE and HR PDU session with SBO in V-PLMN | MATRIXX Software | approved | - | - |
| S5-232735 | Reply LS on CHF Logic Realization wrt/ Spending Limits functionality | China Telecommunications | approved | S5-232244 | - |
| S5-232736 | Revision of SP-221159 WID on Charging Aspects of Network Slicing Phase 2 | MATRIXX Software | agreed | S5-232221 | - |
| S5-232737 | New WID on Charging Aspects for Enhanced Support of Non-Public Networks | China Mobile | agreed | S5-232430 | - |
| S5-232738 | Rescoping of New Study on Structure of Charging for Verticals | VODAFONE Group Plc | agreed | S5-232667 | - |
| S5-232739 | New WID on CHF Distributed Availability | Nokia, Nokia Shanghai Bell | agreed | S5-232142 | - |
| S5-232740 | Rel-18 pCR 28.203 Introduction of the Scope | MATRIXX Software | approved | S5-232094 | - |
| S5-232741 | Rel-18 pCR 28.203 Introduction of the Abbreviations | MATRIXX Software | approved | S5-232216 | - |
| S5-232742 | Rel-18 pCR 32.847 Solve Editor's Note in Key issue#6 | MATRIXX Software | approved | S5-232217 | - |
| S5-232743 | Rel-18 pCR 32.847 Refinements on conclusions for Key issue#6 | MATRIXX Software | approved | S5-232218 | - |
| S5-232744 | Presentation of TR 32.847 for approval | MATRIXX Software | approved | S5-232220 | - |
| S5-232745 | Rel-18 pCR 32.847 Notes addition | VODAFONE Group Plc | approved | S5-232222 | - |
| S5-232746 | Rel-18 pCR 32.847 Solution for Key Issue #9 Network Slice Charging by the Tenant | Nokia, Nokia Shanghai Bell | approved | S5-232315 | - |
| S5-232747 | Rel-18 pCR 28.826 Add the potential solution for Common IEs applied | Huawei | approved | S5-232475 | - |
| S5-232748 | Rel-18 pCR 28.826 Add the solution for reporting depending on the triggers | Huawei | noted | S5-232476 | - |
| S5-232749 | Rel-18 pCR 28.826 Clarify the solution 1.1 | Huawei | approved | S5-232477 | - |
| S5-232750 | Rel-18 pCR 28.826 Correction on the potential solutions for key issue #1l | Huawei | approved | S5-232478 | - |
| S5-232751 | Discussion paper on Using Forge-Git as the primary storage for Code | Ericsson Hungary Ltd | endorsed | S5-232081 | - |
| S5-232752 | SA5 Collection of Rel-19 potential topics for SA workshop preparation | SA5 Vice chair (Huawei) | endorsed | S5-232459 | - |
| S5-232753 | Reply to: Reply LS on Network federation interface for Telco edge consideration | Samsung | revised | - | S5-233146 |
| S5-232754 | Reply to: Reply LS ccSA5 on Network federation interface for Telco edge consideration | Samsung | revised | - | S5-233147 |
| S5-232755 | Input to Draft CR Rel-18 28.104 Add recommended actions for non-3GPP operations | Intel, NEC | withdrawn | - | - |
| S5-232756 | Revised WID on enhancements of 5G performance measurements and KPIs phase 2 | Intel Belgium SA/NV | revised | - | S5-233143 |
| S5-232757 | Reply LS on customer acceptation of limited QoS degradation to save energy in the network | Huawei | approved | S5-232052 | - |
| S5-232758 | LS to SA1 on Customer acceptation of QoS degradation to save energy | Huawei | approved | S5-232065 | - |
| S5-232759 | LS reply to GSMA OPG on UE to application server latency | Huawei | approved | S5-232285 | - |
| S5-232760 | Reply LS on QoE measurements in RRC IDLEINACTIVE states | Huawei | approved | S5-232270 | - |
| S5-232761 | LS on RAN UE Id optionality | Ericsson LM | approved | S5-232611 | - |
| S5-232762 | Reply LS S6-223587 Clarification on the deployment of bundle EAS | Huawei | approved | S5-232286 | - |
| S5-232763 | Rel-18&Rel-19 time plan proposal for OAM | SA5 Vice chair (Huawei),SA5 Chair | endorsed | S5-232446 | - |
| S5-232764 | Reply to: Reply LS ccSA5 on DN energy efficiency data analytics | Huawei | approved | - | - |
| S5-232765 | Reply LS on controlling number of UEs and PDU sessions for NPN | S2-2303687 | noted | - | - |
| S5-232766 | Service Management | Ericsson | noted | S5-232685 | - |
| S5-232767 | New Rel-18 WID on Intent driven Management Service for mobile network phase 2 | Huawei | agreed | S5-232417 | - |
| S5-232768 | LS to GSMA on E2E Network Slicing Requirements | Huawei | approved | S5-232413 | - |
| S5-232769 | New WID on autonomous network levels phase 2 | China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom, Intel | noted | S5-232530 | - |
| S5-232770 | LS on need for modeling isInvariant and SystemCreated in YANG | Ericsson Hungary Ltd | approved | S5-232082 | - |
| S5-232771 | DP on restructuring TS 28-545 | Ericsson Hungary Ltd | endorsed | S5-232083 | - |
| S5-232772 | YANG Corrections | Ericsson Hungary Ltd | agreed | S5-232269 | - |
| S5-232773 | New Rel-18 WID on Enhancement of the Management Aspects related to NWDAF | Chinatelecom Cloud | agreed | S5-232557 | - |
| S5-232774 | LS on the provisioning services specified in SA5 | China Telecom | approved | - | - |
| S5-232775 | new WID on Enhancement of service based management architecture | HuaWei Technologies Co., Ltd | revised | S5-232452 | S5-233144 |
| S5-232776 | New WID on Management Aspect of 5GLAN | China Mobile Com. Corporation | revised | S5-232427 | S5-233145 |
| S5-232777 | LS on charging aspects for Ranging/Sidelink Positioning | S2-2303231 | postponed | - | - |
| S5-232778 | pCR TS 28.912 Update Issue#4.7 Monitoring intent fulfilment information | Huawei Device Co., Ltd | approved | S5-232419 | - |
| S5-232779 | LS on O-RAN - Applicability of TS 32.404 in NR | O-RAN | postponed | - | - |
| S5-232780 | pCR TR 28.912 Add solutions for monitoring intent fulfilment | China Mobile Com. Corporation | noted | S5-232432 | - |
| S5-232781 | pCR TR 28.912 Add conclusion and recommendation for monitoring intent fulfilment | China Mobile Com. Corporation | approved | S5-232433 | - |
| S5-232782 | pCR 28.912 update potential solution for 5GC related intent expectation | Huawei, ZTE | approved | S5-232299 | - |
| S5-232783 | pCR TR 28.912 Add Comparison and analysis of potential solutions (WOP#2) | Huawei, Ericsson | approved | S5-232207 | - |
| S5-232784 | pCR 28.912 Transparent Intent Reporting Window | Samsung R&D Institute UK | approved | S5-232455 | - |
| S5-232785 | Draft TR 28.912 | Huawei | approved | - | - |
| S5-232786 | pCR TR 28.912 Add enhancement aspect6 and potential solution for user experience assurance | Jetflow | approved | S5-232090 | - |
| S5-232787 | pCR TR 28.912 enhance service support expectation | Nokia, Nokia Shanghai Bell | noted | S5-232628 | - |
| S5-232788 | pCR 28.912 Add potential solution for intent conflicts | NTT DOCOMO INC. | approved | S5-232434 | - |
| S5-232789 | pCR 28.912 Add reexecution point of intent after intent conflicts resolution | NTT DOCOMO INC. | approved | S5-232435 | - |
| S5-232790 | pCR TR 28.912 Add conclusion and recommendation for issues related to collaboration with other SDOs (WOP#5) | Huawei, Deutsche Telekom, Telefónica, Ericsson | approved | S5-232208 | - |
| S5-232791 | pCR TS 28.912 Add conclusion and recommendation for issues which need further investigation (WOP#5) | Huawei | approved | S5-232209 | - |
| S5-232792 | pCR TR 28.912 Additions to Conclusion and recommendation | Nokia, Nokia Shanghai Bell | approved | S5-232629 | - |
| S5-232793 | pCR TR28.908 update AIML management capabilities | Nokia, Nokia Shanghai Bell | approved | S5-232612 | - |
| S5-232794 | pCR TR 28.908 Add Definitions and terms | Ericsson India Private Limited | approved | S5-232316 | - |
| S5-232795 | pCR TR 28.908 Correction of terminologies | Ericsson India Private Limited | approved | S5-232701 | - |
| S5-232796 | pCR TR 28.908 Update the use case of ML entity performance evaluation | Huawei | approved | S5-232280 | - |
| S5-232797 | Rel-18 pCR 28.826 Solving termination action issue | Ericsson LM | approved | S5-232589 | - |
| S5-232798 | Rel-18 pCR 28.826 Add the solution for Bitrate charging | Huawei | approved | S5-232479 | - |
| S5-232799 | Rel-18 pCR 28.826 Adding service identifier based solution to clause 5.3 | Ericsson LM | noted | S5-232585 | - |
| S5-232800 | New WID on Charging Aspects for NSSAA of Network Slicing Phase 2 | MATRIXX Software | agreed | - | - |
| S5-232801 | Rel-18 pCR 28.826 Adding solutions to undefined attribute handling in CDR | Ericsson LM | approved | S5-232586 | - |
| S5-232802 | Rel-18 pCR 28.826 Adding use case requested units and quota management indication | Ericsson LM | approved | S5-232587 | - |
| S5-232803 | Rel-18 pCR 28.826 Adding solution to clause 5.1 on location accuracy | Ericsson LM | approved | S5-232594 | - |
| S5-232804 | Rel-18 pCR 28.826 Updating solution in clause 5.4 | Ericsson LM | approved | S5-232591 | - |
| S5-232805 | Rel-18 pCR 28.826 Additional evaluation to clause 5.1 | Ericsson LM | approved | S5-232588 | - |
| S5-232806 | Rel-18 pCR 28.826 Adding evaluation to clause 5.2 | Ericsson LM | approved | S5-232593 | - |
| S5-232807 | pCR TR 28.908 Re-structing content of clause 5 Use cases, potential requirements, and possible solutions | NEC, Intel | approved | S5-232084 | - |
| S5-232808 | pCR 28.908 Use case & Potential solution on Transfer learning | Nokia, Nokia Shanghai Bell | approved | S5-232621 | - |
| S5-232809 | New WID on Management Aspects of NTN | China Unicom,CATT | agreed | S5-232472 | - |
| S5-232810 | New WID on Management of cloud-native Virtualized Network Functions | China Mobile E-Commerce Co. | noted | S5-232662 | - |
| S5-232811 | New WID on enhanced management of non-public networks | Huawei | agreed | S5-232414 | - |
| S5-232812 | New WID on network slice management capability exposure | Alibaba Group, AsiaInfo, China mobile, China Unicom | noted | S5-232567 | - |
| S5-232813 | New Work Item on Network and Service Operations for Energy Utilities | Samsung, EUTC, EDF, BMWK, Deutsche Telekom | noted | S5-232651 | - |
| S5-232814 | pCR TR 28.912 Add Issue#4.x user service experience based RAN energy saving | Jetflow | approved | S5-232089 | - |
| S5-232815 | pCR 28.908 Updates and Corrections for Configuration Management | Ericsson Telecomunicazioni SpA | approved | S5-232620 | - |
| S5-232816 | Rel-18 pCR 28.826 Additional evaluation to clause 5.3 | Ericsson LM | approved | S5-232590 | - |
| S5-232817 | Rel-18 pCR 28.826 Additional evaluation in clause 5.4 | Ericsson LM | approved | S5-232592 | - |
| S5-232818 | Rel-18 pCR 28.826 Add evaluation to clause 5.5 of solution #5.6 | Ericsson LM | approved | S5-232595 | - |
| S5-232819 | Rel-18 pCR 28.826 Evaluation and Conclusion | Huawei | approved | S5-232480 | - |
| S5-232820 | Rel-18 pCR 28.826 Solution for Key issue#1f and #1g | Nokia, Nokia Shanghai Bell | approved | S5-232141 | - |
| S5-232821 | Rel-18 pCR 28.827 Clarification on SMS related solutions | Huawei | approved | S5-232482 | - |
| S5-232822 | Rel-18 pCR 28.827 Correction on solution #1.4 | Huawei | approved | S5-232483 | - |
| S5-232823 | Rel-18 pCR 28.828 Correction on solution #2 for PNI-NPN topic 1 | China Mobile | approved | S5-232421 | - |
| S5-232824 | Rel-18 pCR 28.828 Solve Editor's Note in PNI-NPN topic 1 | China Mobile | approved | S5-232422 | - |
| S5-232825 | Rel-18 pCR 28.828 Correction on conclusion for SNPN topic 2 | China Mobile | approved | S5-232423 | - |
| S5-232826 | Rel-18 pCR 28.828 Correction on conclusion for PNI-NPN topic 1 | China Mobile | approved | S5-232424 | - |
| S5-232827 | Rel-18 pCR 28.828 Correction on the solution 3 in the Topic 1 | Huawei | approved | S5-232491 | - |
| S5-232828 | Rel-18 pCR 28.828 Remove editor's note for the Topic 1 | Huawei | approved | S5-232489 | - |
| S5-232829 | Rel-18 pCR 28.828 Solve Editor's Note in SNPN topic 2 | China Mobile | approved | S5-232420 | - |
| S5-232830 | Rel-18 pCR 28.828 Correction on the solution 2 in the Topic 3 | Huawei | approved | S5-232492 | - |
| S5-232831 | Rel-18 pCR 28.828 Remove editor's note for the Topic 3 | Huawei | approved | S5-232490 | - |
| S5-232832 | Rel-18 pCR 28.828 Add converged charging for data connectivity in PNI-NPN | China Mobile | approved | S5-232425 | - |
| S5-232833 | Rel-18 pCR 28.828 Update conclusions and recommendations | China Mobile | approved | S5-232426 | - |
| S5-232834 | Rel-18 pCR 28.839 Add Use Case for Enablers for Time Sensitive Communications | Huawei | approved | S5-232493 | - |
| S5-232835 | Rel-18 pCR 28.839 Add Use Case for Time Sensitive Communication | Huawei | approved | S5-232494 | - |
| S5-232836 | Rel-18 pCR 28.839 Add Use Case for TSN 5GS bridge Charging | Huawei | approved | S5-232495 | - |
| S5-232837 | Rel-18 pCR TR 28.839 Add solution for the Network Exposure Charging | Huawei | approved | S5-232496 | - |
| S5-232838 | Add scope and reference to TR 28.844 | CATT | approved | S5-232516 | - |
| S5-232839 | 3GPP TR 28.844-000 initial skeleton | CATT | approved | S5-232514 | - |
| S5-232840 | Rel-18 pCR TR28.843 Update of the Skeleton | Huawei | approved | S5-232498 | - |
| S5-232841 | Rel-18 pCR TR28.843 Update of the Scope | Huawei | approved | S5-232499 | - |
| S5-232842 | Rel-18 pCR TR28.843 Update of the Reference | Huawei | approved | S5-232500 | - |
| S5-232843 | Rel-18 pCR TR28.843 Addition of Charging Specification Reference Consideration | Huawei | approved | S5-232501 | - |
| S5-232844 | Rel-18 pCR TR28.843 Addition of General description for background | Huawei | approved | S5-232502 | - |
| S5-232845 | Rel-18 pCR TR28.843 Addition of the Business Roles | Huawei | approved | S5-232503 | - |
| S5-232846 | pCR 28.908 Extend ML update management | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-232847 | pCR TR 28.908 Add the evaluation of AIML update management | Huawei | approved | S5-232279 | - |
| S5-232848 | TR28.908 Potential Solution and evaluation on Measurement data correlation analytics for ML training | Nokia, Nokia Shanghai Bell | approved | S5-232241 | - |
| S5-232849 | pCR TR 28.865 Add requirements for DCSA | Huawei | approved | S5-232553 | - |
| S5-232850 | Rel-18 pCR 28.829 Completion of 7.1.2.1 | Samsung, EUTC, EDF, BMWK | approved | S5-232656 | - |
| S5-232851 | Rel-18 pCR 28.829 Clean Up 6.1, 6.3 | Samsung, EUTC, EDF, BMWK | approved | S5-232658 | - |
| S5-232852 | Rel-18 pCR 28.829 Update 6.4, 6.5, 6.6 | Samsung, EUTC, EDF, BMWK | approved | S5-232659 | - |
| S5-232853 | Draft TR 28.829 | Samsung | approved | - | - |
| S5-232854 | Rel-18 pCR 28.829 – Update 6.7 | Samsung, EUTC, EDF, BMWK,Nokia | approved | S5-232660 | - |
| S5-232855 | Rel-18 pCR 28.829 – Update 6.8 | Nokia | approved | S5-232677 | - |
| S5-232856 | Rel-18 pCR 28.829 – Update 6.8 | Samsung, EUTC, EDF, BMWK | approved | S5-232661 | - |
| S5-232857 | Rel-18 pCR 28.829 – Update 6.1 | Nokia | approved | S5-232670 | - |
| S5-232858 | Rel-18 pCR 28.829 – Update 6.3 | Nokia | approved | S5-232672 | - |
| S5-232859 | Rel-18 pCR 28.829 – Update 6.5 | Nokia | approved | S5-232674 | - |
| S5-232860 | pCR 28.903 EWBI Related Key Issues | Samsung R&D Institute UK | approved | S5-232509 | - |
| S5-232861 | pCR 28.903 Add KI for Federation Management | Huawei | approved | S5-232470 | - |
| S5-232862 | pCR 28.903 NBI Related Key Issues | Samsung R&D Institute UK | approved | S5-232471 | - |
| S5-232863 | pCR 28.903 NBI Related Solutions | Samsung R&D Institute UK | approved | S5-232473 | - |
| S5-232864 | pCR 28.903 add potential solution for resource reservation | Huawei | approved | S5-232309 | - |
| S5-232865 | pCR 28.903 GSMA OP and ECM Concept Mapping | Samsung R&D Institute UK | approved | S5-232474 | - |
| S5-232866 | pCR TR 28.863 Issue3 Video uploading description | Huawei | approved | S5-232542 | - |
| S5-232867 | pCR 28.841 Add use case for NTN mobility management enhancement | CATT | approved | S5-232644 | - |
| S5-232868 | pCR 28.841 Add potential requirement for NTN mobility management enhancement | CATT | approved | S5-232645 | - |
| S5-232869 | pCR 28.841 Add possible solution for NTN mobility management enhancement | CATT | approved | S5-232646 | - |
| S5-232870 | pCR 28.841 add management architectures for satellite components | China Unicom | approved | S5-232437 | - |
| S5-232871 | pCR 28.841 add conclusions and recommendations | China Unicom, CATT | approved | S5-232440 | - |
| S5-232872 | pCR TR 28.842 New KI on discovery of stored management data | Microsoft Europe SARL | approved | S5-232401 | - |
| S5-232873 | Add key issue on enhancing the description of management data | Nokia Germany | noted | S5-232718 | - |
| S5-232874 | pCR TR 28.842 New KI on storage of management data | Microsoft Europe SARL | approved | S5-232402 | - |
| S5-232875 | pCR 28.907 Update conclusion for KI resource isolation demand for Smart Grid Utilities | Huawei | approved | S5-232407 | - |
| S5-232876 | pCR TR 28.912 Potential Solution on Intent-driven Closed Loop control | Nokia, Nokia Shanghai Bell | noted | S5-232625 | - |
| S5-232877 | pCR TR 28.912 Intent Fullfillment feedback | Nokia, Nokia Shanghai Bell | noted | S5-232627 | - |
| S5-232878 | pCR 28.907 Conclusion for KI exposure of management capabilities and corresponding managed resources | Huawei | noted | S5-232409 | - |
| S5-232879 | Update SID on enhancement of management of NPN | Huawei | agreed | S5-232410 | - |
| S5-232880 | Draft TR 28.907 | Huawei | approved | - | - |
| S5-232881 | pCR 28.907 Conclusion for KI SLA monitoring and evaluation | Huawei | approved | S5-232408 | - |
| S5-232882 | Add New Key issue on Energy Efficiency of URLLC network slice- RAN based | China Unicom, China Telecom | withdrawn | - | - |
| S5-232883 | Rel-18 pCR 28.913 Add Conclusion and Recommendation for Key Issue 6 | BEIJING SAMSUNG TELECOM R&D | noted | S5-232700 | - |
| S5-232884 | pCR 28.913 Potential solution #2 for KI#4 - EE KPI for V2X | Huawei, Deutsche Telekom | noted | S5-232066 | - |
| S5-232885 | pCR 28.913 Potential solution for KI#10 - Digital Sobriety | Huawei, Deutsche Telekom | noted | S5-232068 | - |
| S5-232886 | pCR 28.913 Potential solution for KI#9 | Huawei,Samsung | noted | S5-232069 | - |
| S5-232887 | pCR TR 28.910 Add key issues and potential solutions for existing scenarios in TS 28.100 | China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom | approved | S5-232531 | - |
| S5-232888 | pCR TR 28.909 Add key issues and potential solutions for ANLEVA | China Mobile, Huawei, AsiaInfo, CATT, ZTE, China Unicom | approved | S5-232532 | - |
| S5-232889 | pCR TR 28.865 Add solution of network capability preparation | Huawei | noted | S5-232554 | - |
| S5-232890 | pCR 28.824 Clarify usage of CAPIF-1 and CAPIF-1e | Huawei | approved | S5-232308 | - |
| S5-232891 | Draft TR 28.925 | Huawei | approved | - | - |
| S5-232892 | Draft TR 28.833 | China Mobile | approved | - | - |
| S5-232893 | SA5 way forward on capability exposure topic | TELEFONICA S.A. | endorsed | S5-232538 | - |
| S5-232894 | Rel-18 pCR 28.829 – Conclusion and Recommendation for Key Issue 1 - MNO exposes Network Performance Monitoring to DSO | Samsung, EUTC, EDF, BMWK, Deutsche Telekom | approved | S5-232640 | - |
| S5-232895 | Rel-18 pCR 28.829 – Conclusion and Recommendation for Key Issue i (energy utility and telecommunication coordinated recovery of energy service) | Samsung, EUTC, EDF, BMWK | approved | S5-232641 | - |
| S5-232896 | Rel-18 pCR 28.829 – Key Issue for Energy utility and telecommunication coordinated rapid recovery of energy service | Samsung, EUTC, EDF, BMWK, Deutsche Telekom | approved | S5-232647 | - |
| S5-232897 | Rel-18 pCR 28.829 – Potential Solution for Energy utility and telecommunication coordinated rapid recovery of energy service | Samsung, EUTC, EDF, BMWK, Deutsche Telekom | noted | S5-232649 | - |
| S5-232898 | Rel-18 pCR 28.829 – New use case for Rapid Intervention for Outages without Redundant Topology | Samsung, EUTC, EDF, BMWK, Deutsche Telekom | approved | S5-232650 | - |
| S5-232899 | Draft TR 28.841 | China Unicom | approved | - | - |
| S5-232900 | pCR 28.824 Add Conclusion for network slice management capability exposure via CAPIF | Alibaba Group, AsiaInfo | noted | S5-232566 | - |
| S5-232901 | pCR TR 28.912 Address the inconsistent issue for intent report (WOP#2) | Huawei, China Mobile, Deutsche Telekom, Ericsson | approved | S5-232206 | - |
| S5-232902 | DP on way forward for mulitple data collection mechanisms | Huawei | noted | S5-232528 | - |
| S5-232903 | LS on 3GPP work on Energy Efficiency | Huawei | approved | S5-232064 | - |
| S5-232904 | Adding traceablity for ES compensation activation and deactivation procedures | Nokia, Nokia Shanghai Bell | agreed | S5-232106 | - |
| S5-232905 | pCR TS 28.317 Add concept, use case and requirements for network configuration data handling | China Mobile, Huawei | noted | S5-232144 | - |
| S5-232906 | Draft TS 28.317 | China Mobile | approved | - | - |
| S5-232907 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS, Telefonica,Huawei,Verizon | not pursued | S5-232086 | - |
| S5-232908 | NRM enhancements for SMSFFunction | Nokia, Nokia Shanghai Bell | agreed | S5-232117 | - |
| S5-232909 | NRM enhancements for NRFFunction | Nokia, Nokia Shanghai Bell | agreed | S5-232118 | - |
| S5-232910 | NRM enhancements for LMFFunction | Nokia, Nokia Shanghai Bell | agreed | S5-232119 | - |
| S5-232911 | Rel-18 CR TS 28.541 Add Enhanced QoS support in NRM (stage 3, YAML) | Huawei | agreed | S5-232185 | - |
| S5-232912 | Update NRM fragment for 5QI configuration for NG-RAN | Huawei | agreed | S5-232186 | - |
| S5-232913 | Add Annex recommending QoS model usage | Ericsson | agreed | S5-232391 | - |
| S5-232914 | Rel-18 CR TS 28.541 Correct the description and definition fro NWDAFFucntion IOC | Huawei | agreed | S5-232187 | - |
| S5-232915 | NRM enhancements for AFFunction | Nokia, Nokia Shanghai Bell | agreed | S5-232120 | - |
| S5-232916 | TS28.541 Rel-18 NRM enhancements for NSSAAFFunction | Nokia, Nokia Shanghai Bell | agreed | S5-232122 | - |
| S5-232917 | Rel-18 pCR TR28.843 Addition of the key issue for consideration | Huawei | approved | S5-232504 | - |
| S5-232918 | Rel-18 pCR 28.840 Update of the Scope | Nokia, Nokia Shanghai Bell | approved | S5-232097 | - |
| S5-232919 | Rel-17 CR 32.291 Add EAS Deployment Requirements | Amdocs Software Systems Ltd | agreed | S5-232229 | - |
| S5-232920 | Rel-18 CR 32.291 Add EAS Deployment Requirements | Amdocs Software Systems Ltd | agreed | S5-232230 | - |
| S5-232921 | Correction on the YAML | Huawei | agreed | S5-232507 | - |
| S5-232922 | Rel-18 CR 32.291 Correction on the Yaml for EDGE charging | Huawei | agreed | - | - |
| S5-232923 | Correction on the Yaml | Huawei | agreed | S5-232508 | - |
| S5-232924 | Rel-17 CR 32.255 Correction of UPFId in QBC | Ericsson LM | agreed | S5-232572 | - |
| S5-232925 | Rel-17 CR 32.291 Correction of UPFId in QBC | Ericsson LM | agreed | S5-232573 | - |
| S5-232926 | Rel-18 CR 32.291 Correction of UPFId in QBC | Ericsson LM | agreed | S5-232574 | - |
| S5-232927 | Rel-17 CR 32.298 Correction of UPFId in QBC | Ericsson LM | agreed | S5-232575 | - |
| S5-232928 | Rel-18 CR 32.298 Correction of UPFId in QBC | Ericsson LM | agreed | S5-232576 | - |
| S5-232929 | Rel-17 CR 32.255 Inconsistent use of charging identifier | Ericsson LM | agreed | S5-232577 | - |
| S5-232930 | Rel-18 CR 32.254 Correcting supported feature and charging identifier | Ericsson LM | agreed | S5-232579 | - |
| S5-232931 | Rel-18 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | agreed | S5-232580 | - |
| S5-232932 | Rel-18 CR 32.291 Missing operation and identifier in NEF charging information | Ericsson LM | agreed | S5-232581 | - |
| S5-232933 | Rel-18 CR 32.298 Missing operation and identifier in NEF charging information | Ericsson LM | agreed | S5-232582 | - |
| S5-232934 | Rel-18 pCR 28.827 Corrections on solution #1.11 | Huawei | approved | S5-232484 | - |
| S5-232935 | Rel-18 pCR 28.827 EN removal and clarification in solution #2.10 | Huawei | noted | S5-232485 | - |
| S5-232936 | Rel-18 pCR 28.827 Adding solution in clause 7.1 for PDU session triggers | Ericsson LM | approved | S5-232598 | - |
| S5-232937 | Rel-18 pCR 28.827 Adding solution in clause 7.1 for QoS flow session triggers | Ericsson LM | noted | S5-232599 | - |
| S5-232938 | Rel-18 pCR 28.827 Adding evaluation of solutions for clause 7.1 | Ericsson LM | approved | S5-232596 | - |
| S5-232939 | Rel-18 pCR 28.827 Conclusion of clause 7.1 | Huawei | noted | S5-232486 | - |
| S5-232940 | Rel-18 pCR 28.827 Additional evaluation of solutions for clause 7.2 | Ericsson LM | approved | S5-232600 | - |
| S5-232941 | Rel-18 pCR 28.827 Conclusion of clause 7.2 | Huawei | approved | S5-232487 | - |
| S5-232942 | Rel-18 pCR 28.827 Additional evaluation of solutions for clause 7.4 | Ericsson LM | approved | S5-232601 | - |
| S5-232943 | Rel-18 pCR 28.827 Additional solutions for key issue #5d in clause 7.5 | Ericsson LM | approved | S5-232602 | - |
| S5-232944 | Rel-18 pCR 28.827 Additional solutions for key issue #5e in clause 7.5 | Ericsson LM | approved | S5-232604 | - |
| S5-232945 | Rel-18 pCR 28.827 Additional solution for key issue #5f in clause 7.5 | Ericsson LM | approved | S5-232603 | - |
| S5-232946 | Rel-17 CR 32.240 Add Missing Consumer in Charging Architecture | Amdocs Software Systems Ltd | agreed | S5-232233 | - |
| S5-232947 | pCR TR 28.836 Add Use case of Intent driven management to support the operation of network slice instance | Jetflow,Huawei | noted | S5-232091 | - |
| S5-232948 | pCR TR 28.836 Add solutions for expressing service and slice profile requirements as intent expectations | Huawei, China Mobile, Deutsche Telekom, Telefónica | approved | S5-232211 | - |
| S5-232949 | pCR 28.836 Add potential solution for IDM to express expectation of network slice service assurance | Huawei | noted | S5-232304 | - |
| S5-232950 | pCR TR 28.912 intents for slice-based cell reselection | Nokia, Nokia Shanghai Bell | noted | S5-232630 | - |
| S5-232951 | pCR TR 28.912 Conclusion on Testing Intent-driven MnS Capabilities | Nokia, Nokia Shanghai Bell | approved | S5-232631 | - |
| S5-232952 | pCR 28.925 Add an example for management function deployment scenarios | HuaWei Technologies Co., Ltd | approved | S5-232318 | - |
| S5-232953 | pCR TR 28.925 Add issue about extending TS 32.300 to support SBMA | Oy LM Ericsson AB | approved | S5-232140 | - |
| S5-232954 | Rel-16 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges | Nokia, Nokia Shanghai Bell | agreed | S5-232342 | - |
| S5-232955 | Rel-17 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges | Nokia, Nokia Shanghai Bell | agreed | S5-232343 | - |
| S5-232956 | Add Conclusion and recommendation for Issue#1 | China Unicom | approved | S5-232527 | - |
| S5-232957 | Add Conclusion and recommendation for Issue #4 | China Unicom | noted | S5-232529 | - |
| S5-232958 | Add Solution for configuration of latency for URLLC in RAN over the air interface | China Unicom, Huawei | revised | S5-232533 | S5-233151 |
| S5-232959 | URLLC solutions | Ericsson | noted | S5-232689 | - |
| S5-232960 | pCR TR 28.834 Add issues and requirements for usecase# 3 | Jetflow | noted | S5-232195 | - |
| S5-232961 | pCR 28.834 Add key issues for usecase 6 and usecase 7 | AsiaInfo Technologies Inc | approved | S5-232236 | - |
| S5-232962 | PCR 28.834 Add use case and solution for healing of cloud-native VNF | AsiaInfo Technologies Inc | approved | S5-232441 | - |
| S5-232963 | pCR 28.834 Add use case and solution for VNF package management of the cloud-native VNF | AsiaInfo Technologies Inc,Huawei | approved | S5-232536 | - |
| S5-232964 | pCR 28.834 move VNF package update solution to clause 6 | Huawei | withdrawn | - | - |
| S5-232965 | Draft TR 28.834 | China Mobile | approved | - | - |
| S5-232966 | pCR 28.834 Add conclusion and recommendation | China Mobile E-Commerce Co. | approved | S5-232664 | - |
| S5-232967 | pCR 28.834 Update solution for management of the cloud-native VNF using generic OAM functions | China Mobile E-Commerce Co. | approved | S5-232665 | - |
| S5-232968 | Clarifications for lifecycleStatus property | Ericsson Hungary Ltd | agreed | S5-232077 | - |
| S5-232969 | Add conclusion and recommendation for issue #2 | China Unicom | noted | S5-232520 | - |
| S5-232970 | Way forward discussion on network slice in Rel-18 | Ericsson LM, Deutsche Telekom,Huawei | revised | S5-232347 | S5-233155 |
| S5-232971 | Add conclusion and recommendation for issue #1 | China Unicom | noted | S5-232519 | - |
| S5-232972 | Draft TR 28.835 | China Unicom | approved | - | - |
| S5-232973 | Add conclusion and recommendation for issue #4 | China Unicom | noted | S5-232525 | - |
| S5-232974 | pCR TR28.908 Potential Solution on AIML trustworthiness indicators | Nokia, Nokia Shanghai Bell | approved | S5-232613 | - |
| S5-232975 | pCR TR28.908 AIML Update control | Nokia, Nokia Shanghai Bell | approved | S5-232623 | - |
| S5-232976 | pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements | ZTE Corporation | withdrawn | - | - |
| S5-232977 | Draft TR 28.837 | Nokia | approved | - | - |
| S5-232978 | Overview of Trace Management of Non-Public Networks | Nokia, Nokia Shanghai Bell | noted | S5-232147 | - |
| S5-232979 | pCR TR28.837 NPN\_KI\_1 Problem Statement for support of NPN for TraceMDT | Nokia, Nokia Shanghai Bell | approved | S5-232152 | - |
| S5-232980 | pCR TR28.837 NPN\_KI\_2 Problem Statement to support RLF and RCEF reports for NPN | Nokia, Nokia Shanghai Bell | approved | S5-232154 | - |
| S5-232981 | Rel-17 CR TS 28.104 Adding missing support qualifier of maintenance analysis use case | Huawei | not pursued | S5-232272 | - |
| S5-232982 | Input to draft CR TS 28.104 Stage 2 and Stage 3 for Statistics use case | Nokia, Nokia Shanghai Bell | noted | S5-232149 | - |
| S5-232983 | Input to draft CR 28.104 Improve description of prediction and statistics of management data | Huawei | approved | S5-232296 | - |
| S5-232984 | Input to draft CR Add coordination requirement and domain MDAF reporting | Huawei | approved | - | - |
| S5-232985 | Correct the Management Data Analytics Capability Description | Huawei | agreed | S5-232464 | - |
| S5-232986 | Correct the Management Data Analytics Capability Description | Huawei | agreed | S5-232465 | - |
| S5-232987 | Correct the Management Data Analytics Capability Description | Huawei | agreed | S5-232466 | - |
| S5-232988 | Input to draft CR Improve requirements for network slice traffic prediction | Huawei | noted | - | - |
| S5-232989 | Input to draft CR Improve requirements for network slice throughput analysis | Huawei | approved | - | - |
| S5-232990 | Input to draft CR Add coodination requirement for user experience case | Huawei | approved | - | - |
| S5-232991 | pCR 28.912 add potential solution for intent-driven for MDA | Huawei | approved | S5-232300 | - |
| S5-232992 | Rel-18 CR 28.104 MDAS COSLA interworking | Samsung R&D Institute UK | withdrawn | - | - |
| S5-232993 | Rel-18 CR 28.552 Revise the PNF Energy consumption measurement | Intel Belgium SA/NV | withdrawn | - | - |
| S5-232994 | Input to draft CR Rel-18 28.104 Revise energy saving analysis use case | Intel Belgium SA/NV | noted | S5-232714 | - |
| S5-232995 | Input to Draft CR Rel-18 28.104 Add MDA capability for resource utilization analysis | Intel, NEC | noted | S5-232355 | - |
| S5-232996 | TS28.622 add missing UML diagram for QoE Measurement Collection | Huawei | agreed | S5-232188 | - |
| S5-232997 | LS on Approval of eQoE CRs for NR | Ericsson Limited | approved | S5-232116 | - |
| S5-232998 | Draft TR 28.864 | China Telecom | approved | - | - |
| S5-232999 | Update the Scope section of TR 28864 | China Telecommunications | approved | S5-232638 | - |
| S5-233000 | Providing Requirement Text for KI#1 and KI#2 in TR 28864 | China Telecommunications | approved | S5-232666 | - |
| S5-233001 | Update KI#3 KI#4 Requirements in TR28864 | China Telecommunications | approved | S5-232694 | - |
| S5-233002 | Provide description of the requirements having been discussed in KI#5 TR28864 | China Telecommunications | approved | S5-232696 | - |
| S5-233003 | pCR TR28.833 Adding editorial and technical changes | China Mobile, Huawei | approved | S5-232454 | - |
| S5-233004 | pCR 28.864 Add conclusions and recommendations for TR 28.864 | Chinatelecom Cloud | approved | S5-232564 | - |
| S5-233005 | Rel-18 28.533 DraftCR for Authentication and Authorization usecase | Nokia, Nokia Shanghai Bell,Deutsche Telekom | approved | S5-232606 | - |
| S5-233006 | Rel-18 28.533 DraftCR for Identity to roles usecase | Nokia, Nokia Shanghai Bell,Deutsche Telekom | approved | S5-232607 | - |
| S5-233007 | Rel-18 28.533 DraftCR for roles to policies and criteria usecase | Nokia, Nokia Shanghai Bell,Deutsche Telekom | approved | S5-232608 | - |
| S5-233008 | Add measurements for distribution of UL delay between NG-RAN and UE (including D1) | Intel | agreed | S5-232346 | - |
| S5-233009 | pCR 28.908 Add use case on multiple ML entities testing | CATT | approved | S5-232642 | - |
| S5-233010 | Add measurements for DL packet loss rate on Uu | Intel | agreed | S5-232351 | - |
| S5-233011 | Rel-18 CR TS 28.550 Enhance the streaming format of PM | Nokia, Nokia Shangai Bell | withdrawn | - | - |
| S5-233012 | DP on enhancing streaming format of PMs | Nokia, Nokia Shanghai Bell | endorsed | S5-232146 | - |
| S5-233013 | Rel-18 CR TS 28.550 Example of ASN.1 schema for Streaming of PMs | Nokia, Nokia Shangai Bell | agreed | S5-232171 | - |
| S5-233014 | Rel-18 CR 28.538 Revise EAS VNF instantiation and termination procedures | Intel Belgium SA/NV | not pursued | S5-232228 | - |
| S5-233015 | Rel-18 CR 28.538 Add stage 2 solution for request identifier attributes | Intel Belgium SA/NV | withdrawn | - | - |
| S5-233016 | Rel-18 CR 28.538 Add stage 3 solution for request identifier attributes | Intel Corporation (UK) Ltd | withdrawn | - | - |
| S5-233017 | Rel-18 CR 28.538 Add stage 2 solution for LcmProcess IOC | Intel Belgium SA/NV | not pursued | - | - |
| S5-233018 | Rel-18 CR 28.538 Add stage 3 solution for LcmProcess IOC | Intel Corporation (UK) Ltd | not pursued | - | - |
| S5-233019 | Rel-18 CR 28.538 eECM | Samsung R&D Institute UK | agreed | S5-232448 | - |
| S5-233020 | pCR TR 28.830 Add concept of anomaly report | Huawei, China Mobile | noted | S5-232550 | - |
| S5-233021 | pCR TR 28.830 Add description of management capability | Huawei, China Mobile,Ericsson | revised | S5-232551 | S5-233156 |
| S5-233022 | pCR TR 28.830 Add description of fault related analysis | Huawei, China Mobile | revised | S5-232552 | S5-233157 |
| S5-233023 | Rel-18 32.240 Add Missing Consumer in Charging Architecture | Amdocs Software Systems Ltd | agreed | S5-232234 | - |
| S5-233024 | Rel-17 32.298 Add Missing RAT Types in CHF CDRs | Amdocs Software Systems Ltd | agreed | S5-232231 | - |
| S5-233025 | Rel-18 32.298 Add Missing RAT Types in CHF CDRs | Amdocs Software Systems Ltd | agreed | S5-232232 | - |
| S5-233026 | Rel-18 CR 32.291 IMS Charging Diagnostics | Nokia, Nokia Shanghai Bell | not pursued | S5-232143 | - |
| S5-233027 | Rel-18 CR 32.298 IMS Charging Diagnostics | Nokia | withdrawn | - | - |
| S5-233028 | Rel-18 CR 32.260 IMS Charging Diagnostics | Nokia | withdrawn | - | - |
| S5-233029 | Rel-18 CR 32.275 IMS Charging Diagnostics | Nokia | withdrawn | - | - |
| S5-233030 | Rel-18 CR 32.291 UsedUnitContainer and MultipleUnitUsage Description Enhancement | Nokia, Nokia Shanghai Bell | agreed | S5-232201 | - |
| S5-233031 | Collection of useful charging endorsed and external communication documents | Huawei | endorsed | S5-232505 | - |
| S5-233032 | Draft TR 28.832 | China Unicom | approved | - | - |
| S5-233033 | Rel 18 TS 28.552 Add definition of DL PDCP buffered throughput per UE per DRB | Nokia, Nokia Shanghai Bell | agreed | S5-232159 | - |
| S5-233034 | pCR 28.831 Multiple alarms in single notifyNewAlarm Key Issue | Samsung R&D Institute UK | noted | S5-232511 | - |
| S5-233035 | Rel-18 CR 28.831 Add conclusion for issue 3 Definition of createMOI | Nokia, Nokia Shanghai Bell | approved | S5-232345 | - |
| S5-233036 | Rel-18 CR 28.831 Add conclusion for issue 4 Definition of modifyMOIAttributes | Nokia, Nokia Shanghai Bell | approved | S5-232348 | - |
| S5-233037 | Rel-18 CR 28.831 Add issue on Bulk CM operations (stage 2) | Nokia, Nokia Shanghai Bell | approved | S5-232350 | - |
| S5-233038 | Rel-18 CR 28.831 Add CR proposal and conclusion for issue on Bulk CM operations (stage 2) | Nokia, Nokia Shanghai Bell | approved | S5-232352 | - |
| S5-233039 | TR28.908 Potential Solution and evaluation on coordination of capabilities | Nokia, Nokia Shanghai Bell, TELUS | approved | S5-232240 | - |
| S5-233040 | TR28.908 Potential Solution and evaluation on Training data effectiveness analytics | Nokia, Nokia Shanghai Bell | approved | S5-232242 | - |
| S5-233041 | TR28.908 Potential Solution and evaluation on Training data effectiveness reporting | Nokia, Nokia Shanghai Bell | approved | S5-232243 | - |
| S5-233042 | Rel-18 pCR TR 28.831 Add a new key issue for Advertising NRM properties by the MnS producer | Nokia, Nokia Shanghai Bell | noted | S5-232098 | - |
| S5-233043 | Rel-18 pCR TR 28.831 Add potential requirements for KI for Advertising NRM properties by the MnS producer | Nokia, Nokia Shanghai Bell | noted | S5-232099 | - |
| S5-233044 | Rel-18 pCR TR 28.831 Add a potential solution for KI for Advertising NRM properties by the MnS producer | Nokia, Nokia Shanghai Bell | noted | S5-232100 | - |
| S5-233045 | Rel-18 CR 28.831 Add solution for advertising supported HTTP request methods (REST SS) | Nokia, Nokia Shanghai Bell | approved | S5-232359 | - |
| S5-233046 | pCR 28.903 add potential solution for application LCM with MEC-v2 | Huawei | approved | S5-232310 | - |
| S5-233047 | Rel-18 CR 28.831 Add conclusion for issue on advertising communication options (REST SS) | Nokia, Nokia Shanghai Bell | approved | S5-232365 | - |
| S5-233048 | Rel-18 CR 28.831 Add CR proposal for error response – Supported HTTP error codes | Nokia, Nokia Shanghai Bell | approved | S5-232367 | - |
| S5-233049 | Rel-18 CR 28.831 Add CR proposal for error response – Error response body format | Nokia, Nokia Shanghai Bell | approved | S5-232369 | - |
| S5-233050 | Rel-18 CR 28.831 Add CR proposal for error response – Type property | Nokia, Nokia Shanghai Bell | approved | S5-232371 | - |
| S5-233051 | Rel-18 CR 28.831 Add CR proposal for error response – Reason property | Nokia, Nokia Shanghai Bell | approved | S5-232372 | - |
| S5-233052 | Rel-18 CR 28.831 Clarify the mapping from a JSON document into the XPath data model | Nokia, Nokia Shanghai Bell | approved | S5-232380 | - |
| S5-233053 | pCR 28.831 Logging Key Issues | Samsung R&D Institute UK | approved | S5-232510 | - |
| S5-233054 | pCR 28.836 Add use case of intent driven management to modify a network slice | Huawei | noted | S5-232301 | - |
| S5-233055 | pCR 28.831 Trigger Key Issues | Samsung R&D Institute UK | noted | S5-232707 | - |
| S5-233056 | Rel-18 CR 28.541 Add network slice selection information | Ericsson LM | withdrawn | - | - |
| S5-233057 | Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-233058 | Proposed way forward for NSRULE isolation topic | Huawei, Telefónica | endorsed | S5-232415 | - |
| S5-233059 | Correction of terminology | Intel, NEC | agreed | S5-232368 | - |
| S5-233060 | Correction of the Handling errors in data and ML decisions | Ericsson | agreed | S5-232202 | - |
| S5-233061 | Rel-17 CR TS 28.105 Correction of terminologies | Ericsson India Private Limited | agreed | S5-232203 | - |
| S5-233062 | Rel-17 CR TS 28.105 correct AI/ML related terms | Huawei | agreed | S5-232276 | - |
| S5-233063 | Rel-17 CR TS 28.105 Correction of the figure for ML training function | Ericsson India Private Limited | not pursued | S5-232715 | - |
| S5-233064 | Presentation of Report to TSG: TR 28.829, Version 1.0.0 | Samsung | revised | S5-232652 | S5-233159 |
| S5-233065 | 28829 pCR Annex on NSOEU Applicability | Samsung | approved | S5-232655 | - |
| S5-233066 | FS\_NSOEU and NSOEU WoP | Samsung | withdrawn | - | - |
| S5-233067 | Rel-17 CR TS 28.105 Correcting the attribute properties | Nokia, Nokia Shangai Bell | agreed | S5-232163 | - |
| S5-233068 | Rel-17 CR TS 28.105 correct formatting and spelling errors | Huawei | agreed | S5-232277 | - |
| S5-233069 | Rel17 CR TS 28.105 correct attribute definitions | Huawei | agreed | S5-232278 | - |
| S5-233070 | Deprecate passedById | Ericsson Hungary Ltd | agreed | S5-232076 | - |
| S5-233071 | Clarifying multilevel attribute properties | Ericsson Hungary Ltd | not pursued | S5-232079 | - |
| S5-233072 | Clarifying multilevel attribute properties | Ericsson Hungary Ltd | not pursued | S5-232080 | - |
| S5-233073 | Clarification of Requirements and Use Case template | Ericsson Hungary Ltd | revised | S5-232690 | S5-233148 |
| S5-233074 | Update procedures for delete an intent and query an intent | Huawei, Deutsche Telekom | agreed | S5-232181 | - |
| S5-233075 | Udpate Annex C Mapping the 3GPP and the TM Forum intentExpectation Models | Huawei, Deutsche Telekom | agreed | S5-232182 | - |
| S5-233076 | Update clause 4.2.2 Intent driven MnS | Huawei,Deutsche Telekom | agreed | S5-232183 | - |
| S5-233077 | Add clarification on cluase 4.5 General concept of Intent Content | Huawei | agreed | S5-232245 | - |
| S5-233078 | Correct Context date type definition | Huawei | agreed | S5-232287 | - |
| S5-233079 | Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions Title | Nokia, Nokia Shanghai Bell | agreed | S5-232565 | - |
| S5-233080 | Add missing SLS attributes supported in serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI, Huawei | not pursued | S5-232108 | - |
| S5-233081 | Add missing SLS attributes supported in serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI, Huawei | not pursued | S5-232109 | - |
| S5-233082 | Rel-18 CR TS 28.554 Energy Efficiency KPI of a URLLC network slice based on reliability | BEIJING SAMSUNG TELECOM R&D | withdrawn | - | - |
| S5-233083 | pCR 28.908 Split AI-ML configuration management into two phases (inference and ML training) | Intel, NEC,Huawei | approved | S5-232360 | - |
| S5-233084 | Correct issues for feasibility check and resource reservation NRM fragment | Huawei | agreed | S5-232175 | - |
| S5-233085 | Correct issues for feasibility check and resource reservation NRM fragment | Huawei | agreed | S5-232176 | - |
| S5-233086 | Clarify network slicing provisioning use case | Ericsson | not pursued | S5-232373 | - |
| S5-233087 | Clarify network slicing provisioning use case | Ericsson | not pursued | S5-232374 | - |
| S5-233088 | Clarify network slicing provisioning use case | Ericsson | not pursued | S5-232375 | - |
| S5-233089 | Clarify network slicing provisioning use case | Ericsson | not pursued | S5-232377 | - |
| S5-233090 | Rel-16 CR 28.530 Correct network slice abbrevations | Ericsson LM | agreed | S5-232381 | - |
| S5-233091 | Rel-17 CR 28.530 Correct network slice abbrevations | Ericsson LM | agreed | S5-232383 | - |
| S5-233092 | DP on relationship between NEST, URSP and ServiceProfile | TELEFONICA S.A. | endorsed | S5-232717 | - |
| S5-233093 | TS28.623 Rel-16 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | agreed | S5-232129 | - |
| S5-233094 | TS28.623 Rel-17 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | agreed | S5-232461 | - |
| S5-233095 | TS28.623 Rel-18 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | agreed | S5-232131 | - |
| S5-233096 | Correct issues for generic NRM Fragment | Huawei,Nokia | agreed | S5-232177 | - |
| S5-233097 | Correct issues for generic NRM Fragment | Huawei,Nokia | agreed | S5-232178 | - |
| S5-233098 | Rel-15 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | agreed | S5-232191 | - |
| S5-233099 | Rel-16 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | agreed | S5-232192 | - |
| S5-233100 | Rel-17 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | agreed | S5-232193 | - |
| S5-233101 | Rel-18 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | agreed | S5-232194 | - |
| S5-233102 | R17 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT | China Telecom Corporation Ltd., Huawei | withdrawn | - | - |
| S5-233103 | R18 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT | China Telecom Corporation Ltd. | withdrawn | - | - |
| S5-233104 | Rel-17 CR 28.622 Remove unused create link subscription attribute definition. | Ericsson LM | agreed | S5-232386 | - |
| S5-233105 | Rel-18 CR 28.622 Remove unused create link subscription attribute definition. | Ericsson LM | agreed | S5-232387 | - |
| S5-233106 | Rel-17 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | revised | S5-232445 | S5-233149 |
| S5-233107 | Rel-18 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | revised | S5-232447 | S5-233150 |
| S5-233108 | pCR TR 28.863 definition of KQI | Nokia,Huawei | noted | S5-232668 | - |
| S5-233109 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | agreed | S5-232388 | - |
| S5-233110 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | agreed | S5-232389 | - |
| S5-233111 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | agreed | S5-232390 | - |
| S5-233112 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson | agreed | S5-232392 | - |
| S5-233113 | Rel-17 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson LM | agreed | S5-232393 | - |
| S5-233114 | Rel-18 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson LM | agreed | S5-232394 | - |
| S5-233115 | Rel-17 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover | ZTE Corporation | agreed | S5-232632 | - |
| S5-233116 | Rel-18 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover | ZTE Corporation | agreed | S5-232634 | - |
| S5-233117 | Rel-16 CR 32.422 Clarify behaviour when cell list is undefined | Ericsson LM | agreed | S5-232384 | - |
| S5-233118 | Rel-17 CR 32.422 Clarify behaviour when cell list is undefined | Ericsson LM | agreed | S5-232385 | - |
| S5-233119 | Fix IpAddr definition and references | Nokia, Nokia Shanghai Bell | agreed | S5-232128 | - |
| S5-233120 | Rel-17 CR TS 28.537 Correct the description and requirements for producing and reporting management data (6.3.14) | Huawei | not pursued | S5-232184 | - |
| S5-233121 | Rel-16 CR 32.158 Clarify URI concept | Nokia, Nokia Shanghai Bell | revised | S5-232319 | S5-233175 |
| S5-233122 | Rel-17 CR 32.158 Clarify URI concept | Nokia, Nokia Shanghai Bell | agreed | S5-232320 | - |
| S5-233123 | Rel-16 CR 32.158 Clarify an object must exist when adding members with JSON Patch | Nokia, Nokia Shanghai Bell | agreed | S5-232326 | - |
| S5-233124 | Rel-17 CR 32.158 Clarify an object must exist when adding members with JSON Patch | Nokia, Nokia Shanghai Bell | agreed | S5-232327 | - |
| S5-233125 | Rel-17 CR 28.532 Clarify definitions related to attributes | Nokia, Nokia Shanghai Bell | agreed | S5-232344 | - |
| S5-233126 | Add conclusion and recommendation for issue #3 | China Unicom | noted | S5-232521 | - |
| S5-233127 | Add conclusion and recommendation for issue #5 | China Unicom | noted | S5-232522 | - |
| S5-233128 | Add new solution for support for performance measurements related on URLLC resource load | China Unicom | withdrawn | - | - |
| S5-233129 | Add New Solution for URLLC performance management related to reliability in RAN | China Unicom | withdrawn | - | - |
| S5-233130 | New Rel-18 WID on Management Aspects of URLLC | China Unicom, Huawei, CATT, China Telecom, ZTE, CMCC, AsiaInfo | noted | S5-232517 | - |
| S5-233131 | New Rel-18 WID on Management Aspect of 5G Network Sharing Phase2 | China Unicom, Huawei, CATT, China Telecom, ZTE, CMCC, AsiaInfo | noted | S5-232513 | - |
| S5-233132 | Correction of attribute dnPrefix | Ericsson | agreed | S5-232710 | - |
| S5-233133 | pCR TR 28.865 Add solution of service and network analysis | Huawei | approved | S5-232555 | - |
| S5-233134 | Correcting traceRecordingSessionReference property | Ericsson Limited | agreed | S5-232136 | - |
| S5-233135 | Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | agreed | S5-232137 | - |
| S5-233136 | Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | agreed | S5-232138 | - |
| S5-233137 | DraftCR 28.533 on Access control for management service | Nokia,Deutsche Telekom | approved | - | - |
| S5-233138 | pCR TR 28.908 Add AIML capabilities deployment scenarios | Huawei,Intel,NEC | approved | S5-232283 | - |
| S5-233139 | Rel-16 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | agreed | S5-232212 | - |
| S5-233140 | Rel-17 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | agreed | S5-232213 | - |
| S5-233141 | Rel-18 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | agreed | S5-232214 | - |
| S5-233142 | Reply LS on introduction of a new attribute “Only Resource Coordination” to support source coordination between LTE and NR SA | China Telecom Corporation Ltd. | approved | S5-232268 | - |
| S5-233143 | Revised WID on enhancements of 5G performance measurements and KPIs phase 2 | Intel Belgium SA/NV | agreed | S5-232756 | - |
| S5-233144 | new WID on Enhancement of service based management architecture | Huawei,Ericsson, Nokia | agreed | S5-232775 | - |
| S5-233145 | New WID on Management Aspect of 5GLAN | China Mobile Com. Corporation | agreed | S5-232776 | - |
| S5-233146 | Reply to: Reply LS on Network federation interface for Telco edge consideration | Samsung | approved | S5-232753 | - |
| S5-233147 | Reply to: Reply LS ccSA5 on Network federation interface for Telco edge consideration | Samsung | approved | S5-232754 | - |
| S5-233148 | Clarification of Requirements and Use Case template | Ericsson Hungary Ltd | agreed | S5-233073 | - |
| S5-233149 | Rel-17 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | agreed | S5-233106 | - |
| S5-233150 | Rel-18 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | agreed | S5-233107 | - |
| S5-233151 | Add Solution for configuration of latency for URLLC in RAN over the air interface | China Unicom, Huawei | noted | S5-232958 | - |
| S5-233152 | Draft CR 28.538 Revise EAS VNF instantiation and termination procedures | Intel Belgium SA/NV | approved | - | - |
| S5-233153 | Rel-18 CR 28.538 Add stage 2 solution for LcmProcess IOC | Intel Belgium SA/NV | noted | - | - |
| S5-233154 | Rel-18 CR 28.538 Add stage 3 solution for LcmProcess IOC | Intel Corporation (UK) Ltd | noted | - | - |
| S5-233155 | Way forward discussion on network slice in Rel-18 | Ericsson, Deutsche Telekom, Huawei, Intel, Samsung, Telefónica, Nokia | endorsed | S5-232970 | - |
| S5-233156 | pCR TR 28.830 Add description of management capability | Huawei, CMCC, Nokia, Nokia Shangai Bell, Ericsson | approved | S5-233021 | - |
| S5-233157 | pCR TR 28.830 Add description of fault related analysis | Huawei, China Mobile | approved | S5-233022 | - |
| S5-233158 | Cover sheet TR 28.834 | China Mobile | approved | - | - |
| S5-233159 | Presentation of Report to TSG: TR 28.829, Version 1.0.0 | Samsung | approved | S5-233064 | - |
| S5-233160 | Cover sheet TR 28.841 | China Unicom | noted | - | - |
| S5-233161 | Draft TR 28.830 | China Mobile | approved | - | - |
| S5-233162 | Draft TR 28.831 | Nokia | approved | - | - |
| S5-233163 | Draft TR 28.909 | China Mobile | approved | - | - |
| S5-233164 | Draft TR 28.824 | Alibaba | approved | - | - |
| S5-233165 | Draft TR 28.910 | China Mobile | approved | - | - |
| S5-233166 | Draft TR 28.836 | Ericsson | approved | - | - |
| S5-233167 | Draft TR 28.908 | Intel | approved | - | - |
| S5-233168 | Draft TR 28.842 | Nokia | approved | - | - |
| S5-233169 | Draft TR 28.913 | Huawei | approved | - | - |
| S5-233170 | Draft TR 28.863 | Huawei | approved | - | - |
| S5-233171 | Draft TR 28.865 | Huawei | approved | - | - |
| S5-233172 | Draft TR 28.824 | Alibaba | withdrawn | - | - |
| S5-233173 | Draft TR 28.903 | Huawei | approved | - | - |
| S5-233174 | Draft CR eMDAS\_Ph2 – TS28.104; Further enhancements into the Management Data Analytics (Phase 2). | NEC | approved | - | - |
| S5-233175 | Rel-16 CR 32.158 Clarify URI concept | Nokia, Nokia Shanghai Bell | agreed | S5-233121 | - |

### A2: Tdoc decision timing

|  |  |  |
| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S5-232001 | 27/02/2023 07:15:45 | noted |
| S5-232002 | 27/02/2023 07:19:12 | noted |
| S5-232002 | 27/02/2023 07:19:13 | approved |
| S5-232004 | 06/03/2023 11:10:23 | noted |
| S5-232005 | 27/02/2023 08:12:10 | revised |
| S5-232005 | 01/03/2023 10:06:19 | noted |
| S5-232008 | 06/03/2023 09:38:42 | revised |
| S5-232009 | 03/03/2023 06:51:15 | noted |
| S5-232010 | 27/02/2023 07:22:53 | approved |
| S5-232011 | 27/02/2023 08:14:29 | noted |
| S5-232012 | 01/03/2023 10:05:15 | noted |
| S5-232013 | 03/03/2023 07:55:17 | reserved |
| S5-232014 | 27/02/2023 07:22:59 | approved |
| S5-232014 | 27/02/2023 07:29:52 | noted |
| S5-232015 | 27/02/2023 09:16:16 | noted |
| S5-232016 | 06/03/2023 11:10:38 | noted |
| S5-232017 | 27/02/2023 08:23:43 | noted |
| S5-232018 | 01/03/2023 10:08:14 | available |
| S5-232019 | 06/03/2023 09:39:21 | postponed |
| S5-232020 | 03/03/2023 07:06:37 | noted |
| S5-232021 | 03/03/2023 07:05:36 | available |
| S5-232022 | 01/03/2023 09:20:51 | noted |
| S5-232023 | 06/03/2023 09:39:24 | noted |
| S5-232024 | 01/03/2023 10:09:13 | available |
| S5-232025 | 01/03/2023 10:09:45 | available |
| S5-232026 | 03/03/2023 07:15:18 | postponed |
| S5-232027 | 27/02/2023 09:10:09 | available |
| S5-232028 | 27/02/2023 09:43:11 | replied to |
| S5-232029 | 06/03/2023 09:39:51 | replied to |
| S5-232030 | 03/03/2023 07:17:09 | postponed |
| S5-232031 | 03/03/2023 07:17:11 | postponed |
| S5-232032 | 06/03/2023 09:42:25 | available |
| S5-232033 | 27/02/2023 08:05:32 | replied to |
| S5-232034 | 01/03/2023 09:21:44 | noted |
| S5-232035 | 03/03/2023 07:17:17 | postponed |
| S5-232036 | 01/03/2023 09:22:01 | noted |
| S5-232037 | 01/03/2023 09:22:02 | noted |
| S5-232038 | 01/03/2023 09:21:47 | noted |
| S5-232039 | 01/03/2023 09:22:04 | noted |
| S5-232040 | 01/03/2023 09:22:35 | noted |
| S5-232041 | 03/03/2023 07:08:59 | noted |
| S5-232042 | 27/02/2023 09:18:52 | available |
| S5-232043 | 01/03/2023 09:22:36 | noted |
| S5-232044 | 01/03/2023 09:21:02 | noted |
| S5-232045 | 03/03/2023 07:09:11 | postponed |
| S5-232046 | 03/03/2023 07:09:12 | postponed |
| S5-232047 | 27/02/2023 08:06:38 | replied to |
| S5-232048 | 01/03/2023 10:11:21 | available |
| S5-232049 | 03/03/2023 07:15:54 | postponed |
| S5-232050 | 03/03/2023 07:24:20 | postponed |
| S5-232051 | 01/03/2023 09:22:17 | noted |
| S5-232052 | 27/02/2023 08:30:01 | revised |
| S5-232053 | 28/02/2023 14:37:07 | agreed |
| S5-232054 | 28/02/2023 14:43:09 | agreed |
| S5-232055 | 02/03/2023 09:42:15 | agreed |
| S5-232056 | 02/03/2023 09:42:16 | agreed |
| S5-232057 | 02/03/2023 09:45:39 | available |
| S5-232058 | 02/03/2023 09:45:41 | available |
| S5-232059 | 28/02/2023 14:43:38 | agreed |
| S5-232060 | 28/02/2023 14:43:40 | agreed |
| S5-232061 | 28/02/2023 14:33:38 | agreed |
| S5-232062 | 02/03/2023 12:02:49 | noted |
| S5-232063 | 27/02/2023 07:15:41 | approved |
| S5-232064 | 28/02/2023 15:41:25 | revised |
| S5-232065 | 27/02/2023 08:31:28 | revised |
| S5-232066 | 28/02/2023 14:01:43 | approved |
| S5-232066 | 28/02/2023 14:06:35 | revised |
| S5-232067 | 28/02/2023 14:07:34 | approved |
| S5-232068 | 28/02/2023 14:17:36 | revised |
| S5-232069 | 28/02/2023 14:21:35 | revised |
| S5-232070 | 28/02/2023 14:53:48 | agreed |
| S5-232071 | 03/03/2023 07:20:26 | noted |
| S5-232072 | 01/03/2023 15:00:53 | revised |
| S5-232073 | 01/03/2023 15:00:02 | revised |
| S5-232074 | 02/03/2023 14:29:51 | agreed |
| S5-232075 | 02/03/2023 09:06:58 | available |
| S5-232076 | 02/03/2023 09:07:18 | revised |
| S5-232077 | 01/03/2023 09:06:58 | revised |
| S5-232079 | 02/03/2023 09:14:04 | revised |
| S5-232080 | 02/03/2023 09:14:13 | revised |
| S5-232081 | 27/02/2023 07:30:35 | noted |
| S5-232081 | 03/03/2023 07:03:34 | revised |
| S5-232082 | 27/02/2023 12:34:30 | revised |
| S5-232083 | 27/02/2023 12:34:58 | revised |
| S5-232084 | 02/03/2023 08:58:29 | revised |
| S5-232085 | 03/03/2023 12:38:58 | approved |
| S5-232086 | 28/02/2023 16:31:38 | revised |
| S5-232087 | 27/02/2023 13:52:02 | available |
| S5-232087 | 03/03/2023 12:12:53 | noted |
| S5-232088 | 27/02/2023 14:36:12 | available |
| S5-232089 | 27/02/2023 18:04:33 | revised |
| S5-232090 | 27/02/2023 15:04:33 | revised |
| S5-232091 | 01/03/2023 06:37:14 | revised |
| S5-232092 | 06/03/2023 09:48:32 | agreed |
| S5-232093 | 06/03/2023 09:48:36 | agreed |
| S5-232094 | 06/03/2023 09:48:45 | revised |
| S5-232095 | 06/03/2023 11:06:50 | approved |
| S5-232096 | 06/03/2023 11:06:53 | approved |
| S5-232097 | 06/03/2023 11:07:02 | revised |
| S5-232098 | 01/03/2023 16:54:08 | revised |
| S5-232099 | 01/03/2023 16:54:27 | revised |
| S5-232100 | 01/03/2023 16:54:31 | revised |
| S5-232101 | 03/03/2023 10:30:21 | withdrawn |
| S5-232102 | 03/03/2023 10:30:34 | available |
| S5-232103 | 03/03/2023 10:30:49 | available |
| S5-232104 | 03/03/2023 10:31:00 | withdrawn |
| S5-232105 | 03/03/2023 10:31:04 | available |
| S5-232106 | 28/02/2023 15:42:20 | agreed |
| S5-232106 | 28/02/2023 15:42:54 | revised |
| S5-232107 | 03/03/2023 08:17:12 | noted |
| S5-232108 | 02/03/2023 10:22:26 | revised |
| S5-232109 | 02/03/2023 10:28:16 | revised |
| S5-232110 | 02/03/2023 12:08:20 | agreed |
| S5-232111 | 02/03/2023 12:08:21 | agreed |
| S5-232112 | 02/03/2023 12:12:20 | agreed |
| S5-232113 | 02/03/2023 12:12:21 | agreed |
| S5-232114 | 02/03/2023 07:26:56 | revised |
| S5-232115 | 01/03/2023 13:15:47 | agreed |
| S5-232116 | 01/03/2023 13:15:57 | revised |
| S5-232117 | 28/02/2023 16:36:04 | revised |
| S5-232118 | 28/02/2023 16:39:00 | revised |
| S5-232119 | 28/02/2023 16:39:08 | revised |
| S5-232120 | 28/02/2023 17:02:57 | revised |
| S5-232121 | 28/02/2023 17:05:37 | agreed |
| S5-232122 | 28/02/2023 17:06:38 | revised |
| S5-232123 | 02/03/2023 15:27:58 | agreed |
| S5-232124 | 02/03/2023 15:27:59 | agreed |
| S5-232128 | 02/03/2023 15:29:33 | agreed |
| S5-232128 | 02/03/2023 15:34:29 | revised |
| S5-232129 | 02/03/2023 13:05:06 | revised |
| S5-232131 | 02/03/2023 13:06:06 | revised |
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| S5-232133 | 02/03/2023 13:09:54 | available |
| S5-232134 | 28/02/2023 15:17:26 | agreed |
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| S5-232136 | 02/03/2023 15:02:27 | revised |
| S5-232137 | 02/03/2023 16:29:23 | revised |
| S5-232138 | 02/03/2023 16:29:26 | revised |
| S5-232139 | 02/03/2023 12:14:45 | revised |
| S5-232139 | 02/03/2023 12:15:45 | agreed |
| S5-232140 | 01/03/2023 07:32:30 | revised |
| S5-232141 | 06/03/2023 10:07:44 | revised |
| S5-232142 | 06/03/2023 09:48:03 | revised |
| S5-232143 | 06/03/2023 10:55:49 | revised |
| S5-232144 | 28/02/2023 15:57:36 | revised |
| S5-232145 | 28/02/2023 16:03:59 | approved |
| S5-232146 | 01/03/2023 14:45:57 | noted |
| S5-232146 | 01/03/2023 14:47:46 | revised |
| S5-232147 | 01/03/2023 09:54:18 | revised |
| S5-232148 | 03/03/2023 09:32:58 | noted |
| S5-232149 | 01/03/2023 12:17:57 | revised |
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| S5-232153 | 01/03/2023 09:57:58 | mk |
| S5-232154 | 01/03/2023 09:59:10 | approved |
| S5-232154 | 01/03/2023 10:00:14 | revised |
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| S5-232156 | 01/03/2023 09:50:05 | approved |
| S5-232157 | 01/03/2023 09:50:53 | approved |
| S5-232158 | 01/03/2023 09:51:29 | approved |
| S5-232159 | 01/03/2023 15:56:55 | revised |
| S5-232160 | 02/03/2023 15:06:49 | agreed |
| S5-232161 | 02/03/2023 08:17:14 | agreed |
| S5-232162 | 02/03/2023 08:22:29 | available |
| S5-232163 | 02/03/2023 08:23:08 | agreed |
| S5-232163 | 02/03/2023 08:25:49 | revised |
| S5-232164 | 02/03/2023 07:29:42 | agreed |
| S5-232165 | 02/03/2023 15:06:50 | agreed |
| S5-232167 | 02/03/2023 07:29:56 | agreed |
| S5-232168 | 02/03/2023 15:17:18 | available |
| S5-232170 | 01/03/2023 14:45:54 | revised |
| S5-232171 | 01/03/2023 14:49:20 | revised |
| S5-232172 | 02/03/2023 07:30:19 | agreed |
| S5-232173 | 03/03/2023 13:49:37 | agreed |
| S5-232174 | 02/03/2023 07:30:25 | agreed |
| S5-232175 | 02/03/2023 12:22:54 | revised |
| S5-232176 | 02/03/2023 12:23:24 | revised |
| S5-232177 | 02/03/2023 13:09:00 | revised |
| S5-232178 | 02/03/2023 13:09:44 | revised |
| S5-232179 | 03/03/2023 09:18:25 | available |
| S5-232180 | 03/03/2023 09:18:29 | available |
| S5-232181 | 02/03/2023 09:46:48 | agreed |
| S5-232181 | 02/03/2023 09:47:21 | revised |
| S5-232182 | 02/03/2023 09:55:35 | revised |
| S5-232183 | 02/03/2023 10:00:19 | revised |
| S5-232184 | 02/03/2023 15:46:28 | revised |
| S5-232185 | 28/02/2023 16:42:44 | agreed |
| S5-232185 | 28/02/2023 16:45:50 | revised |
| S5-232186 | 28/02/2023 16:50:29 | revised |
| S5-232187 | 28/02/2023 16:58:35 | revised |
| S5-232188 | 01/03/2023 13:10:36 | revised |
| S5-232189 | 02/03/2023 13:11:22 | agreed |
| S5-232190 | 02/03/2023 13:11:23 | agreed |
| S5-232191 | 02/03/2023 13:17:03 | revised |
| S5-232192 | 02/03/2023 13:17:08 | revised |
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| S5-232194 | 02/03/2023 13:17:17 | revised |
| S5-232194 | 03/03/2023 08:25:00 | agreed |
| S5-232195 | 01/03/2023 07:58:52 | revised |
| S5-232196 | 02/03/2023 13:25:25 | agreed |
| S5-232197 | 02/03/2023 13:25:26 | agreed |
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| S5-232199 | 02/03/2023 13:25:27 | agreed |
| S5-232200 | 06/03/2023 09:56:30 | noted |
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| S5-232203 | 02/03/2023 08:04:40 | revised |
| S5-232205 | 28/02/2023 15:21:46 | approved |
| S5-232206 | 28/02/2023 15:31:09 | revised |
| S5-232207 | 27/02/2023 14:43:35 | revised |
| S5-232208 | 27/02/2023 15:50:34 | revised |
| S5-232209 | 27/02/2023 15:54:08 | revised |
| S5-232210 | 03/03/2023 10:30:03 | noted |
| S5-232211 | 01/03/2023 06:59:55 | revised |
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| S5-232213 | 02/03/2023 18:36:21 | revised |
| S5-232214 | 02/03/2023 18:36:26 | revised |
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| S5-232216 | 06/03/2023 11:08:56 | revised |
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| S5-232218 | 06/03/2023 09:56:03 | revised |
| S5-232219 | 06/03/2023 09:56:09 | approved |
| S5-232220 | 06/03/2023 09:56:18 | revised |
| S5-232221 | 06/03/2023 09:44:09 | revised |
| S5-232222 | 06/03/2023 09:56:46 | revised |
| S5-232223 | 01/03/2023 15:00:39 | revised |
| S5-232224 | 01/03/2023 14:59:38 | revised |
| S5-232225 | 03/03/2023 10:29:50 | noted |
| S5-232226 | 03/03/2023 10:31:16 | available |
| S5-232227 | 03/03/2023 10:31:19 | available |
| S5-232228 | 01/03/2023 14:59:06 | revised |
| S5-232229 | 06/03/2023 10:51:27 | revised |
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| S5-232232 | 06/03/2023 11:04:00 | revised |
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| S5-232234 | 06/03/2023 10:55:23 | revised |
| S5-232235 | 27/02/2023 07:28:47 | revised |
| S5-232235 | 03/03/2023 07:03:12 | noted |
| S5-232236 | 01/03/2023 08:06:57 | revised |
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| S5-232239 | 28/02/2023 14:50:25 | agreed |
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| S5-232242 | 01/03/2023 16:47:35 | revised |
| S5-232243 | 01/03/2023 16:47:38 | revised |
| S5-232244 | 06/03/2023 09:42:18 | revised |
| S5-232245 | 02/03/2023 10:04:09 | revised |
| S5-232246 | 02/03/2023 10:04:59 | agreed |
| S5-232247 | 02/03/2023 10:05:25 | agreed |
| S5-232258 | 28/02/2023 06:42:36 | withdrawn |
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| S5-232265 | 02/03/2023 13:35:22 | revised |
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| S5-232270 | 27/02/2023 09:07:02 | revised |
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| S5-232272 | 28/02/2023 14:35:09 | agreed |
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| S5-232274 | 02/03/2023 10:13:08 | agreed |
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| S5-232276 | 02/03/2023 08:12:12 | revised |
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| S5-232279 | 28/02/2023 07:11:55 | revised |
| S5-232280 | 27/02/2023 16:53:09 | revised |
| S5-232281 | 03/03/2023 12:36:38 | approved |
| S5-232282 | 02/03/2023 12:20:34 | available |
| S5-232283 | 02/03/2023 18:34:23 | revised |
| S5-232284 | 03/03/2023 12:29:00 | noted |
| S5-232285 | 27/02/2023 09:05:19 | revised |
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| S5-232287 | 02/03/2023 10:06:05 | revised |
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| S5-232289 | 02/03/2023 10:07:25 | agreed |
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| S5-232291 | 01/03/2023 12:31:11 | revised |
| S5-232292 | 03/03/2023 09:37:45 | available |
| S5-232293 | 01/03/2023 12:44:05 | revised |
| S5-232294 | 01/03/2023 12:41:33 | revised |
| S5-232295 | 01/03/2023 12:45:12 | revised |
| S5-232296 | 01/03/2023 12:24:07 | revised |
| S5-232297 | 28/02/2023 14:35:48 | agreed |
| S5-232298 | 03/03/2023 12:10:44 | noted |
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| S5-232300 | 01/03/2023 12:48:32 | revised |
| S5-232301 | 01/03/2023 06:48:51 | revised |
| S5-232302 | 03/03/2023 12:27:08 | noted |
| S5-232303 | 03/03/2023 12:27:20 | noted |
| S5-232304 | 01/03/2023 07:12:54 | revised |
| S5-232305 | 01/03/2023 08:16:09 | revised |
| S5-232306 | 01/03/2023 08:17:07 | approved |
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| S5-232313 | 02/03/2023 15:08:40 | agreed |
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| S5-232317 | 28/02/2023 15:22:07 | approved |
| S5-232318 | 01/03/2023 07:26:29 | revised |
| S5-232319 | 02/03/2023 15:52:19 | revised |
| S5-232320 | 02/03/2023 15:52:30 | revised |
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| S5-232322 | 02/03/2023 15:54:21 | agreed |
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| S5-232323 | 27/02/2023 14:52:09 | approved |
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| S5-232327 | 02/03/2023 16:03:30 | revised |
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| S5-232336 | 28/02/2023 15:01:22 | agreed |
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| S5-232346 | 01/03/2023 14:30:13 | revised |
| S5-232347 | 01/03/2023 09:19:16 | revised |
| S5-232348 | 01/03/2023 16:25:02 | revised |
| S5-232349 | 01/03/2023 14:33:02 | available |
| S5-232350 | 01/03/2023 16:29:24 | revised |
| S5-232351 | 01/03/2023 14:35:12 | revised |
| S5-232352 | 01/03/2023 16:33:12 | revised |
| S5-232353 | 03/03/2023 12:53:41 | approved |
| S5-232354 | 02/03/2023 07:09:28 | revised |
| S5-232355 | 01/03/2023 13:05:52 | revised |
| S5-232356 | 03/03/2023 12:53:59 | approved |
| S5-232357 | 01/03/2023 12:04:18 | revised |
| S5-232357 | 03/03/2023 09:30:56 | approved |
| S5-232357 | 03/03/2023 09:31:04 | noted |
| S5-232358 | 02/03/2023 12:27:03 | revised |
| S5-232359 | 01/03/2023 16:59:37 | revised |
| S5-232360 | 02/03/2023 12:20:25 | revised |
| S5-232361 | 03/03/2023 12:53:04 | approved |
| S5-232362 | 03/03/2023 12:53:14 | approved |
| S5-232363 | 02/03/2023 12:27:33 | revised |
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| S5-232367 | 02/03/2023 06:37:55 | revised |
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| S5-232368 | 02/03/2023 07:39:56 | revised |
| S5-232369 | 02/03/2023 06:43:29 | revised |
| S5-232370 | 03/03/2023 08:14:12 | available |
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| S5-232372 | 02/03/2023 06:46:41 | revised |
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| S5-232377 | 02/03/2023 12:40:18 | revised |
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| S5-232379 | 28/02/2023 14:57:30 | agreed |
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| S5-232382 | 27/02/2023 12:59:07 | available |
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| S5-232384 | 02/03/2023 15:24:47 | revised |
| S5-232385 | 02/03/2023 15:24:51 | revised |
| S5-232386 | 02/03/2023 14:11:04 | revised |
| S5-232387 | 02/03/2023 14:11:07 | revised |
| S5-232388 | 02/03/2023 14:40:32 | revised |
| S5-232389 | 02/03/2023 14:40:36 | revised |
| S5-232390 | 02/03/2023 14:40:39 | revised |
| S5-232391 | 28/02/2023 16:52:12 | available |
| S5-232391 | 28/02/2023 16:57:08 | revised |
| S5-232392 | 02/03/2023 14:43:31 | revised |
| S5-232393 | 02/03/2023 14:43:34 | revised |
| S5-232394 | 02/03/2023 14:43:38 | revised |
| S5-232396 | 01/03/2023 13:00:53 | revised |
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| S5-232398 | 02/03/2023 15:25:49 | available |
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| S5-232400 | 27/02/2023 12:16:30 | revised |
| S5-232400 | 07/03/2023 10:04:05 | noted |
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| S5-232401 | 28/02/2023 12:27:36 | revised |
| S5-232402 | 28/02/2023 12:46:40 | revised |
| S5-232403 | 03/03/2023 13:10:34 | noted |
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| S5-232407 | 28/02/2023 12:52:26 | revised |
| S5-232408 | 28/02/2023 13:21:39 | revised |
| S5-232409 | 28/02/2023 13:03:30 | revised |
| S5-232410 | 28/02/2023 13:07:32 | revised |
| S5-232411 | 28/02/2023 13:09:06 | available |
| S5-232411 | 28/02/2023 13:09:09 | approved |
| S5-232412 | 03/03/2023 13:11:40 | approved |
| S5-232413 | 27/02/2023 11:58:39 | revised |
| S5-232414 | 27/02/2023 17:49:16 | revised |
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| S5-232416 | 02/03/2023 07:20:06 | noted |
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| S5-232419 | 27/02/2023 14:25:22 | revised |
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| S5-232421 | 06/03/2023 10:21:59 | revised |
| S5-232422 | 06/03/2023 10:22:09 | revised |
| S5-232423 | 06/03/2023 10:25:51 | revised |
| S5-232424 | 06/03/2023 10:22:22 | revised |
| S5-232425 | 06/03/2023 10:26:47 | revised |
| S5-232426 | 06/03/2023 10:27:08 | revised |
| S5-232427 | 27/02/2023 13:00:53 | revised |
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| S5-232432 | 27/02/2023 14:29:52 | revised |
| S5-232433 | 27/02/2023 14:33:57 | revised |
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| S5-232437 | 28/02/2023 12:11:35 | revised |
| S5-232438 | 28/02/2023 15:28:03 | approved |
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| S5-232441 | 01/03/2023 08:09:47 | revised |
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| S5-232443 | 02/03/2023 12:58:42 | available |
| S5-232444 | 03/03/2023 12:24:34 | noted |
| S5-232445 | 02/03/2023 14:21:38 | available |
| S5-232445 | 02/03/2023 14:22:56 | not pursued |
| S5-232445 | 02/03/2023 14:24:04 | revised |
| S5-232446 | 27/02/2023 09:23:07 | noted |
| S5-232446 | 27/02/2023 09:35:48 | revised |
| S5-232447 | 02/03/2023 14:21:40 | available |
| S5-232447 | 02/03/2023 14:22:58 | not pursued |
| S5-232447 | 02/03/2023 14:24:09 | revised |
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| S5-232456 | 27/02/2023 15:42:19 | withdrawn |
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| S5-232484 | 06/03/2023 10:09:58 | revised |
| S5-232485 | 06/03/2023 10:10:14 | revised |
| S5-232486 | 06/03/2023 10:18:49 | revised |
| S5-232487 | 06/03/2023 10:19:22 | revised |
| S5-232488 | 06/03/2023 10:11:42 | available |
| S5-232489 | 06/03/2023 10:22:53 | revised |
| S5-232490 | 06/03/2023 10:26:30 | revised |
| S5-232491 | 06/03/2023 10:22:36 | revised |
| S5-232492 | 06/03/2023 10:26:09 | revised |
| S5-232493 | 06/03/2023 10:29:18 | revised |
| S5-232494 | 06/03/2023 10:29:30 | revised |
| S5-232495 | 06/03/2023 10:29:40 | revised |
| S5-232496 | 06/03/2023 10:29:50 | revised |
| S5-232497 | 06/03/2023 10:31:38 | approved |
| S5-232498 | 06/03/2023 10:31:46 | revised |
| S5-232499 | 06/03/2023 10:31:55 | revised |
| S5-232500 | 06/03/2023 10:32:06 | revised |
| S5-232501 | 06/03/2023 10:32:17 | revised |
| S5-232502 | 06/03/2023 10:33:01 | revised |
| S5-232503 | 06/03/2023 10:33:15 | revised |
| S5-232504 | 06/03/2023 10:33:32 | revised |
| S5-232505 | 06/03/2023 09:43:12 | revised |
| S5-232506 | 06/03/2023 10:51:48 | agreed |
| S5-232507 | 06/03/2023 10:51:59 | revised |
| S5-232508 | 06/03/2023 10:52:23 | revised |
| S5-232509 | 28/02/2023 09:48:35 | revised |
| S5-232510 | 02/03/2023 06:54:47 | revised |
| S5-232511 | 01/03/2023 16:16:57 | revised |
| S5-232512 | 28/02/2023 15:01:30 | agreed |
| S5-232513 | 02/03/2023 16:21:51 | revised |
| S5-232514 | 06/03/2023 10:34:47 | revised |
| S5-232515 | 06/03/2023 10:34:52 | approved |
| S5-232516 | 06/03/2023 10:35:00 | revised |
| S5-232517 | 02/03/2023 16:21:43 | revised |
| S5-232519 | 01/03/2023 09:25:05 | revised |
| S5-232520 | 01/03/2023 09:12:12 | revised |
| S5-232521 | 02/03/2023 16:21:07 | revised |
| S5-232522 | 01/03/2023 09:28:58 | available |
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| S5-232523 | 01/03/2023 09:34:48 | approved |
| S5-232524 | 01/03/2023 09:35:34 | approved |
| S5-232525 | 01/03/2023 09:44:35 | revised |
| S5-232526 | 01/03/2023 09:45:56 | approved |
| S5-232527 | 01/03/2023 07:39:01 | revised |
| S5-232528 | 28/02/2023 15:31:29 | revised |
| S5-232529 | 01/03/2023 07:44:05 | revised |
| S5-232530 | 27/02/2023 12:17:06 | revised |
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| S5-232534 | 02/03/2023 16:21:28 | revised |
| S5-232534 | 03/03/2023 12:57:47 | noted |
| S5-232535 | 02/03/2023 16:21:32 | revised |
| S5-232535 | 03/03/2023 12:58:05 | noted |
| S5-232536 | 01/03/2023 08:12:47 | revised |
| S5-232537 | 28/02/2023 15:18:05 | noted |
| S5-232538 | 28/02/2023 15:25:57 | revised |
| S5-232541 | 02/03/2023 14:31:57 | available |
| S5-232542 | 28/02/2023 10:26:54 | revised |
| S5-232543 | 06/03/2023 11:04:23 | noted |
| S5-232544 | 03/03/2023 12:04:04 | noted |
| S5-232545 | 03/03/2023 13:24:47 | noted |
| S5-232546 | 03/03/2023 13:25:27 | noted |
| S5-232547 | 02/03/2023 16:09:52 | agreed |
| S5-232548 | 02/03/2023 16:11:03 | agreed |
| S5-232549 | 06/03/2023 11:04:28 | withdrawn |
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| S5-232551 | 01/03/2023 15:20:31 | revised |
| S5-232552 | 01/03/2023 15:27:25 | revised |
| S5-232553 | 28/02/2023 15:04:47 | revised |
| S5-232554 | 28/02/2023 15:09:19 | revised |
| S5-232555 | 02/03/2023 16:24:59 | revised |
| S5-232557 | 27/02/2023 12:36:54 | revised |
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| S5-232560 | 01/03/2023 14:03:49 | approved |
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| S5-232562 | 01/03/2023 14:05:30 | approved |
| S5-232563 | 01/03/2023 14:06:26 | approved |
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| S5-232566 | 28/02/2023 15:30:35 | revised |
| S5-232567 | 27/02/2023 17:55:13 | revised |
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| S5-232569 | 02/03/2023 14:45:05 | agreed |
| S5-232570 | 02/03/2023 14:45:06 | agreed |
| S5-232571 | 02/03/2023 14:45:07 | agreed |
| S5-232572 | 06/03/2023 10:52:37 | revised |
| S5-232573 | 06/03/2023 10:52:47 | revised |
| S5-232574 | 06/03/2023 10:52:57 | revised |
| S5-232575 | 06/03/2023 10:53:18 | revised |
| S5-232576 | 06/03/2023 10:53:27 | revised |
| S5-232577 | 06/03/2023 10:53:43 | revised |
| S5-232578 | 06/03/2023 10:53:47 | agreed |
| S5-232579 | 06/03/2023 10:53:55 | revised |
| S5-232580 | 06/03/2023 10:54:08 | revised |
| S5-232581 | 06/03/2023 10:54:20 | revised |
| S5-232582 | 06/03/2023 10:54:32 | revised |
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| S5-232585 | 06/03/2023 10:00:15 | revised |
| S5-232586 | 06/03/2023 10:04:01 | revised |
| S5-232587 | 06/03/2023 10:04:11 | revised |
| S5-232588 | 06/03/2023 10:05:04 | revised |
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| S5-232594 | 06/03/2023 10:04:29 | revised |
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| S5-232596 | 06/03/2023 10:18:25 | revised |
| S5-232597 | 06/03/2023 10:15:05 | noted |
| S5-232598 | 06/03/2023 10:15:26 | revised |
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| S5-232602 | 06/03/2023 10:19:52 | revised |
| S5-232603 | 06/03/2023 10:20:17 | revised |
| S5-232604 | 06/03/2023 10:20:05 | revised |
| S5-232605 | 06/03/2023 10:20:28 | noted |
| S5-232606 | 01/03/2023 14:16:04 | revised |
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| S5-232615 | 03/03/2023 12:35:09 | approved |
| S5-232617 | 03/03/2023 12:35:29 | approved |
| S5-232618 | 03/03/2023 12:35:41 | approved |
| S5-232619 | 03/03/2023 12:36:10 | noted |
| S5-232620 | 28/02/2023 07:06:12 | revised |
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| S5-232622 | 28/02/2023 07:09:28 | revised |
| S5-232622 | 03/03/2023 12:32:41 | noted |
| S5-232623 | 01/03/2023 09:47:32 | revised |
| S5-232624 | 27/02/2023 12:42:27 | available |
| S5-232625 | 28/02/2023 13:01:13 | revised |
| S5-232626 | 03/03/2023 12:21:50 | noted |
| S5-232627 | 28/02/2023 13:01:21 | revised |
| S5-232628 | 27/02/2023 15:22:04 | revised |
| S5-232629 | 27/02/2023 15:57:20 | revised |
| S5-232630 | 01/03/2023 07:17:00 | revised |
| S5-232631 | 01/03/2023 07:19:37 | revised |
| S5-232632 | 02/03/2023 14:46:04 | agreed |
| S5-232632 | 02/03/2023 14:47:16 | revised |
| S5-232633 | 03/03/2023 12:41:44 | approved |
| S5-232634 | 02/03/2023 14:46:04 | agreed |
| S5-232634 | 02/03/2023 14:47:19 | revised |
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| S5-232636 | 02/03/2023 14:48:53 | agreed |
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| S5-232640 | 28/02/2023 15:26:12 | revised |
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| S5-232642 | 01/03/2023 14:30:53 | revised |
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| S5-232646 | 28/02/2023 12:09:30 | revised |
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| S5-232648 | 03/03/2023 10:29:42 | noted |
| S5-232649 | 28/02/2023 15:26:42 | revised |
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| S5-232651 | 27/02/2023 17:59:24 | revised |
| S5-232652 | 02/03/2023 08:25:14 | revised |
| S5-232653 | 01/03/2023 09:48:13 | revised |
| S5-232653 | 03/03/2023 13:06:11 | noted |
| S5-232654 | 06/03/2023 09:48:15 | noted |
| S5-232655 | 02/03/2023 08:25:25 | revised |
| S5-232656 | 28/02/2023 08:11:06 | revised |
| S5-232657 | 28/02/2023 08:24:32 | approved |
| S5-232658 | 28/02/2023 08:14:36 | revised |
| S5-232659 | 28/02/2023 08:23:23 | revised |
| S5-232660 | 28/02/2023 08:25:47 | revised |
| S5-232661 | 28/02/2023 09:09:30 | revised |
| S5-232662 | 27/02/2023 17:45:53 | revised |
| S5-232663 | 02/03/2023 08:25:29 | revised |
| S5-232663 | 03/03/2023 13:23:27 | noted |
| S5-232664 | 01/03/2023 08:22:00 | revised |
| S5-232665 | 01/03/2023 08:25:31 | revised |
| S5-232666 | 01/03/2023 13:25:24 | revised |
| S5-232667 | 06/03/2023 09:47:23 | revised |
| S5-232668 | 02/03/2023 14:31:54 | revised |
| S5-232669 | 03/03/2023 13:24:30 | noted |
| S5-232670 | 28/02/2023 09:13:48 | revised |
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| S5-232671 | 28/02/2023 09:16:00 | revised |
| S5-232671 | 28/02/2023 09:17:03 | approved |
| S5-232672 | 28/02/2023 09:19:57 | revised |
| S5-232673 | 28/02/2023 09:20:43 | approved |
| S5-232674 | 28/02/2023 09:25:23 | revised |
| S5-232675 | 28/02/2023 09:26:29 | approved |
| S5-232676 | 28/02/2023 08:26:10 | available |
| S5-232677 | 28/02/2023 09:05:00 | revised |
| S5-232678 | 03/03/2023 13:18:07 | approved |
| S5-232679 | 28/02/2023 15:06:52 | agreed |
| S5-232680 | 28/02/2023 15:07:20 | agreed |
| S5-232681 | 28/02/2023 15:07:59 | agreed |
| S5-232682 | 03/03/2023 12:31:07 | noted |
| S5-232683 | 27/02/2023 17:01:07 | revised |
| S5-232683 | 02/03/2023 08:57:51 | noted |
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| S5-232686 | 27/02/2023 12:59:15 | available |
| S5-232687 | 03/03/2023 12:10:13 | noted |
| S5-232688 | 03/03/2023 12:12:24 | noted |
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| S5-232691 | 06/03/2023 10:54:57 | agreed |
| S5-232692 | 06/03/2023 10:54:58 | agreed |
| S5-232694 | 01/03/2023 13:28:34 | revised |
| S5-232695 | 02/03/2023 10:31:27 | revised |
| S5-232696 | 01/03/2023 13:29:23 | revised |
| S5-232697 | 28/02/2023 15:10:04 | agreed |
| S5-232698 | 28/02/2023 15:10:05 | agreed |
| S5-232699 | 28/02/2023 15:10:06 | agreed |
| S5-232700 | 28/02/2023 13:38:11 | revised |
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| S5-232703 | 28/02/2023 15:11:39 | agreed |
| S5-232704 | 28/02/2023 15:11:40 | agreed |
| S5-232705 | 28/02/2023 15:11:41 | agreed |
| S5-232706 | 28/02/2023 15:11:42 | agreed |
| S5-232707 | 02/03/2023 07:03:24 | revised |
| S5-232708 | 28/02/2023 15:11:43 | agreed |
| S5-232709 | 28/02/2023 15:11:44 | agreed |
| S5-232710 | 28/02/2023 15:11:46 | agreed |
| S5-232710 | 02/03/2023 16:23:04 | revised |
| S5-232711 | 28/02/2023 13:29:52 | revised |
| S5-232711 | 03/03/2023 13:12:57 | noted |
| S5-232712 | 03/03/2023 13:13:19 | noted |
| S5-232713 | 28/02/2023 15:15:08 | agreed |
| S5-232714 | 01/03/2023 13:04:38 | revised |
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| S5-232716 | 03/03/2023 08:07:14 | available |
| S5-232717 | 02/03/2023 13:00:57 | revised |
| S5-232718 | 28/02/2023 12:42:24 | revised |
| S5-232719 | 02/03/2023 14:27:20 | agreed |
| S5-232720 | 27/02/2023 07:39:05 | available |
| S5-232721 | 06/03/2023 09:39:05 | noted |
| S5-232722 | 06/03/2023 09:49:36 | reserved |
| S5-232723 | 06/03/2023 09:57:49 | reserved |
| S5-232724 | 06/03/2023 10:08:55 | reserved |
| S5-232725 | 06/03/2023 10:21:35 | reserved |
| S5-232726 | 06/03/2023 10:27:51 | reserved |
| S5-232727 | 06/03/2023 10:31:06 | reserved |
| S5-232728 | 06/03/2023 11:07:46 | reserved |
| S5-232729 | 06/03/2023 10:34:24 | reserved |
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| S5-232730 | 06/03/2023 10:51:02 | reserved |
| S5-232731 | 06/03/2023 11:04:54 | withdrawn |
| S5-232732 | 06/03/2023 11:06:00 | reserved |
| S5-232733 | 06/03/2023 11:06:03 | reserved |
| S5-232734 | 06/03/2023 09:41:33 | approved |
| S5-232735 | 06/03/2023 09:42:19 | approved |
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| S5-232737 | 06/03/2023 09:46:38 | agreed |
| S5-232738 | 06/03/2023 09:47:24 | agreed |
| S5-232739 | 06/03/2023 09:48:04 | agreed |
| S5-232740 | 06/03/2023 09:48:48 | approved |
| S5-232741 | 06/03/2023 11:08:57 | approved |
| S5-232742 | 06/03/2023 09:50:12 | approved |
| S5-232743 | 06/03/2023 09:56:04 | approved |
| S5-232744 | 06/03/2023 09:56:19 | approved |
| S5-232745 | 06/03/2023 09:56:47 | approved |
| S5-232746 | 06/03/2023 09:57:00 | approved |
| S5-232747 | 06/03/2023 09:58:18 | approved |
| S5-232748 | 06/03/2023 09:58:38 | noted |
| S5-232749 | 06/03/2023 09:59:03 | approved |
| S5-232750 | 06/03/2023 09:59:13 | approved |
| S5-232751 | 03/03/2023 07:03:38 | reserved |
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| S5-232753 | 03/03/2023 07:54:01 | revised |
| S5-232754 | 03/03/2023 07:54:32 | revised |
| S5-232755 | 03/03/2023 09:30:54 | withdrawn |
| S5-232756 | 03/03/2023 07:38:15 | revised |
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| S5-232758 | 27/02/2023 08:31:30 | approved |
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| S5-232765 | 06/03/2023 09:43:45 | noted |
| S5-232766 | 03/03/2023 07:23:22 | noted |
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| S5-232770 | 03/03/2023 07:05:46 | approved |
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| S5-232772 | 03/03/2023 08:01:19 | agreed |
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| S5-232773 | 03/03/2023 07:34:30 | agreed |
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| S5-232775 | 03/03/2023 07:40:58 | revised |
| S5-232776 | 03/03/2023 07:43:36 | revised |
| S5-232777 | 06/03/2023 11:11:25 | postponed |
| S5-232778 | 03/03/2023 12:13:29 | approved |
| S5-232779 | 01/03/2023 15:49:46 | postponed |
| S5-232780 | 03/03/2023 13:56:04 | noted |
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| S5-232782 | 03/03/2023 12:17:02 | approved |
| S5-232783 | 03/03/2023 12:17:58 | approved |
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| S5-232806 | 06/03/2023 10:05:20 | approved |
| S5-232807 | 03/03/2023 12:30:07 | approved |
| S5-232808 | 03/03/2023 12:30:16 | approved |
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| S5-232811 | 03/03/2023 07:48:49 | agreed |
| S5-232812 | 03/03/2023 07:50:41 | noted |
| S5-232813 | 03/03/2023 07:52:55 | noted |
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| S5-232815 | 03/03/2023 12:31:57 | approved |
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| S5-232818 | 06/03/2023 10:06:13 | approved |
| S5-232819 | 06/03/2023 10:07:16 | approved |
| S5-232820 | 06/03/2023 10:07:46 | approved |
| S5-232821 | 06/03/2023 10:09:28 | approved |
| S5-232822 | 06/03/2023 10:09:49 | approved |
| S5-232823 | 06/03/2023 10:22:00 | approved |
| S5-232824 | 06/03/2023 10:22:10 | approved |
| S5-232825 | 06/03/2023 10:25:52 | approved |
| S5-232826 | 06/03/2023 10:22:23 | approved |
| S5-232827 | 06/03/2023 10:22:37 | approved |
| S5-232828 | 06/03/2023 10:22:54 | approved |
| S5-232829 | 06/03/2023 10:25:37 | approved |
| S5-232830 | 06/03/2023 10:26:10 | approved |
| S5-232831 | 06/03/2023 10:26:31 | approved |
| S5-232832 | 06/03/2023 10:26:48 | approved |
| S5-232833 | 06/03/2023 10:27:09 | approved |
| S5-232834 | 06/03/2023 10:29:20 | approved |
| S5-232835 | 06/03/2023 10:29:31 | approved |
| S5-232836 | 06/03/2023 10:29:41 | approved |
| S5-232837 | 06/03/2023 10:29:51 | approved |
| S5-232838 | 06/03/2023 10:35:01 | approved |
| S5-232839 | 06/03/2023 10:34:49 | approved |
| S5-232840 | 06/03/2023 10:31:47 | approved |
| S5-232841 | 06/03/2023 10:31:56 | approved |
| S5-232842 | 06/03/2023 10:32:07 | approved |
| S5-232843 | 06/03/2023 10:32:50 | approved |
| S5-232844 | 06/03/2023 10:33:04 | approved |
| S5-232845 | 06/03/2023 10:33:16 | approved |
| S5-232846 | 03/03/2023 12:32:23 | withdrawn |
| S5-232847 | 03/03/2023 12:33:05 | approved |
| S5-232848 | 03/03/2023 12:33:20 | approved |
| S5-232849 | 03/03/2023 13:26:24 | approved |
| S5-232850 | 03/03/2023 13:16:15 | approved |
| S5-232851 | 03/03/2023 13:16:24 | approved |
| S5-232852 | 03/03/2023 13:16:38 | approved |
| S5-232853 | 03/03/2023 13:16:27 | reserved |
| S5-232854 | 03/03/2023 13:16:50 | approved |
| S5-232855 | 03/03/2023 13:17:13 | approved |
| S5-232856 | 03/03/2023 13:17:20 | approved |
| S5-232857 | 03/03/2023 13:17:25 | approved |
| S5-232858 | 03/03/2023 13:17:34 | approved |
| S5-232859 | 03/03/2023 13:17:44 | approved |
| S5-232860 | 03/03/2023 13:29:37 | approved |
| S5-232861 | 03/03/2023 13:29:29 | approved |
| S5-232862 | 03/03/2023 13:29:44 | approved |
| S5-232863 | 03/03/2023 13:29:52 | approved |
| S5-232864 | 03/03/2023 13:29:59 | approved |
| S5-232865 | 03/03/2023 13:31:46 | approved |
| S5-232866 | 03/03/2023 13:24:10 | approved |
| S5-232867 | 03/03/2023 13:08:06 | approved |
| S5-232868 | 03/03/2023 13:08:14 | approved |
| S5-232869 | 03/03/2023 13:08:27 | approved |
| S5-232870 | 03/03/2023 13:08:34 | approved |
| S5-232871 | 03/03/2023 13:08:47 | approved |
| S5-232872 | 03/03/2023 13:09:02 | approved |
| S5-232873 | 03/03/2023 13:10:07 | noted |
| S5-232874 | 03/03/2023 13:10:22 | approved |
| S5-232875 | 03/03/2023 13:10:51 | approved |
| S5-232876 | 03/03/2023 12:21:23 | approved |
| S5-232876 | 03/03/2023 12:22:21 | noted |
| S5-232877 | 03/03/2023 12:19:49 | approved |
| S5-232877 | 03/03/2023 12:20:49 | noted |
| S5-232878 | 03/03/2023 13:11:03 | noted |
| S5-232879 | 03/03/2023 13:11:16 | approved |
| S5-232879 | 07/03/2023 14:08:02 | agreed |
| S5-232880 | 03/03/2023 13:11:20 | reserved |
| S5-232881 | 03/03/2023 13:12:17 | approved |
| S5-232882 | 03/03/2023 13:12:53 | withdrawn |
| S5-232883 | 03/03/2023 13:13:36 | noted |
| S5-232884 | 03/03/2023 13:13:55 | noted |
| S5-232885 | 03/03/2023 13:14:33 | noted |
| S5-232886 | 03/03/2023 13:14:44 | noted |
| S5-232887 | 03/03/2023 12:03:46 | noted |
| S5-232887 | 03/03/2023 12:07:26 | approved |
| S5-232888 | 03/03/2023 12:12:04 | approved |
| S5-232889 | 03/03/2023 13:26:38 | approved |
| S5-232889 | 03/03/2023 13:26:51 | noted |
| S5-232890 | 03/03/2023 13:28:03 | approved |
| S5-232891 | 03/03/2023 12:44:46 | reserved |
| S5-232892 | 03/03/2023 12:58:39 | reserved |
| S5-232893 | 03/03/2023 13:28:28 | available |
| S5-232894 | 03/03/2023 13:18:43 | approved |
| S5-232895 | 03/03/2023 13:18:49 | approved |
| S5-232896 | 03/03/2023 13:18:20 | approved |
| S5-232897 | 03/03/2023 13:18:28 | approved |
| S5-232897 | 03/03/2023 13:21:23 | noted |
| S5-232898 | 03/03/2023 13:18:34 | approved |
| S5-232899 | 03/03/2023 13:08:38 | reserved |
| S5-232900 | 03/03/2023 09:45:36 | available |
| S5-232900 | 03/03/2023 13:28:58 | noted |
| S5-232901 | 03/03/2023 12:17:47 | approved |
| S5-232902 | 03/03/2023 07:22:49 | noted |
| S5-232903 | 03/03/2023 10:16:55 | approved |
| S5-232904 | 28/02/2023 15:43:28 | agreed |
| S5-232905 | 03/03/2023 09:29:57 | noted |
| S5-232906 | 03/03/2023 09:29:46 | reserved |
| S5-232907 | 03/03/2023 09:49:39 | available |
| S5-232908 | 03/03/2023 09:50:08 | agreed |
| S5-232909 | 03/03/2023 09:50:39 | agreed |
| S5-232910 | 03/03/2023 09:51:04 | agreed |
| S5-232911 | 28/02/2023 16:45:51 | agreed |
| S5-232912 | 03/03/2023 09:51:30 | agreed |
| S5-232913 | 03/03/2023 09:51:55 | agreed |
| S5-232914 | 28/02/2023 16:58:36 | agreed |
| S5-232915 | 03/03/2023 09:52:41 | agreed |
| S5-232916 | 03/03/2023 09:53:10 | agreed |
| S5-232917 | 06/03/2023 10:33:33 | approved |
| S5-232918 | 06/03/2023 11:07:05 | approved |
| S5-232919 | 06/03/2023 10:51:29 | agreed |
| S5-232920 | 06/03/2023 10:51:38 | agreed |
| S5-232921 | 06/03/2023 10:52:00 | agreed |
| S5-232922 | 06/03/2023 10:52:10 | agreed |
| S5-232923 | 06/03/2023 10:52:24 | agreed |
| S5-232924 | 06/03/2023 10:52:38 | agreed |
| S5-232925 | 06/03/2023 10:52:48 | agreed |
| S5-232926 | 06/03/2023 10:52:58 | agreed |
| S5-232927 | 06/03/2023 10:53:19 | agreed |
| S5-232928 | 06/03/2023 10:53:28 | agreed |
| S5-232929 | 06/03/2023 10:53:44 | agreed |
| S5-232930 | 06/03/2023 10:53:56 | agreed |
| S5-232931 | 06/03/2023 10:54:09 | agreed |
| S5-232932 | 06/03/2023 10:54:21 | agreed |
| S5-232933 | 06/03/2023 10:54:33 | agreed |
| S5-232934 | 06/03/2023 10:09:59 | approved |
| S5-232935 | 06/03/2023 10:10:16 | noted |
| S5-232936 | 06/03/2023 10:15:27 | approved |
| S5-232937 | 06/03/2023 10:15:38 | noted |
| S5-232938 | 06/03/2023 10:18:26 | approved |
| S5-232939 | 06/03/2023 10:18:51 | noted |
| S5-232940 | 06/03/2023 10:19:09 | approved |
| S5-232941 | 06/03/2023 10:19:24 | approved |
| S5-232942 | 06/03/2023 10:19:42 | approved |
| S5-232943 | 06/03/2023 10:19:53 | approved |
| S5-232944 | 06/03/2023 10:20:07 | approved |
| S5-232945 | 06/03/2023 10:20:19 | approved |
| S5-232946 | 06/03/2023 10:55:13 | agreed |
| S5-232947 | 03/03/2023 12:25:47 | noted |
| S5-232948 | 03/03/2023 12:26:48 | approved |
| S5-232949 | 03/03/2023 12:27:38 | noted |
| S5-232950 | 03/03/2023 12:27:56 | noted |
| S5-232951 | 03/03/2023 12:28:11 | approved |
| S5-232952 | 03/03/2023 12:47:07 | approved |
| S5-232953 | 03/03/2023 12:47:20 | approved |
| S5-232954 | 03/03/2023 09:25:25 | agreed |
| S5-232955 | 03/03/2023 09:25:26 | agreed |
| S5-232956 | 03/03/2023 12:55:39 | approved |
| S5-232957 | 03/03/2023 12:55:46 | noted |
| S5-232958 | 03/03/2023 09:04:18 | revised |
| S5-232959 | 03/03/2023 12:56:39 | noted |
| S5-232960 | 03/03/2023 12:59:30 | noted |
| S5-232961 | 03/03/2023 12:59:45 | approved |
| S5-232962 | 03/03/2023 12:59:54 | approved |
| S5-232963 | 03/03/2023 13:00:01 | approved |
| S5-232964 | 03/03/2023 13:00:20 | withdrawn |
| S5-232965 | 03/03/2023 13:00:47 | reserved |
| S5-232966 | 03/03/2023 13:00:43 | approved |
| S5-232967 | 03/03/2023 13:00:53 | approved |
| S5-232968 | 03/03/2023 10:15:50 | agreed |
| S5-232969 | 03/03/2023 13:04:09 | noted |
| S5-232970 | 03/03/2023 10:23:59 | noted |
| S5-232970 | 03/03/2023 10:27:19 | revised |
| S5-232971 | 03/03/2023 13:04:51 | noted |
| S5-232972 | 03/03/2023 13:05:52 | reserved |
| S5-232973 | 03/03/2023 13:05:37 | noted |
| S5-232974 | 03/03/2023 12:33:53 | approved |
| S5-232975 | 03/03/2023 12:30:28 | approved |
| S5-232976 | 03/03/2023 13:06:10 | withdrawn |
| S5-232977 | 03/03/2023 13:06:18 | reserved |
| S5-232978 | 03/03/2023 13:06:47 | noted |
| S5-232979 | 03/03/2023 13:07:03 | approved |
| S5-232980 | 01/03/2023 10:00:34 | approved |
| S5-232981 | 03/03/2023 08:06:06 | agreed |
| S5-232982 | 03/03/2023 09:33:14 | noted |
| S5-232983 | 03/03/2023 09:34:45 | approved |
| S5-232984 | 03/03/2023 09:37:03 | approved |
| S5-232985 | 03/03/2023 09:27:11 | agreed |
| S5-232986 | 03/03/2023 09:27:10 | agreed |
| S5-232987 | 03/03/2023 09:27:08 | agreed |
| S5-232988 | 03/03/2023 09:38:57 | noted |
| S5-232989 | 03/03/2023 09:39:39 | approved |
| S5-232990 | 03/03/2023 09:42:49 | reserved |
| S5-232990 | 03/03/2023 09:42:52 | agreed |
| S5-232990 | 03/03/2023 09:43:52 | approved |
| S5-232991 | 03/03/2023 12:23:06 | approved |
| S5-232992 | 03/03/2023 09:44:12 | reserved |
| S5-232992 | 03/03/2023 09:44:47 | withdrawn |
| S5-232993 | 03/03/2023 09:45:06 | withdrawn |
| S5-232994 | 03/03/2023 09:45:51 | noted |
| S5-232995 | 03/03/2023 09:46:32 | noted |
| S5-232996 | 03/03/2023 10:09:49 | agreed |
| S5-232997 | 03/03/2023 10:10:35 | approved |
| S5-232998 | 03/03/2023 12:40:37 | reserved |
| S5-232999 | 03/03/2023 12:40:07 | approved |
| S5-233000 | 03/03/2023 12:40:17 | approved |
| S5-233001 | 03/03/2023 12:40:32 | approved |
| S5-233002 | 03/03/2023 12:40:48 | approved |
| S5-233003 | 03/03/2023 12:58:49 | approved |
| S5-233004 | 03/03/2023 12:41:12 | approved |
| S5-233005 | 03/03/2023 10:10:57 | approved |
| S5-233006 | 03/03/2023 10:11:15 | approved |
| S5-233007 | 03/03/2023 10:11:49 | approved |
| S5-233008 | 01/03/2023 14:30:18 | agreed |
| S5-233009 | 03/03/2023 12:30:40 | approved |
| S5-233010 | 03/03/2023 10:13:29 | agreed |
| S5-233011 | 03/03/2023 10:14:29 | withdrawn |
| S5-233012 | 03/03/2023 10:13:52 | available |
| S5-233013 | 03/03/2023 10:15:18 | agreed |
| S5-233014 | 03/03/2023 09:57:48 | revised |
| S5-233015 | 03/03/2023 09:54:11 | withdrawn |
| S5-233016 | 03/03/2023 09:53:36 | withdrawn |
| S5-233017 | 03/03/2023 09:58:17 | revised |
| S5-233018 | 03/03/2023 09:58:38 | revised |
| S5-233019 | 03/03/2023 10:06:33 | agreed |
| S5-233020 | 03/03/2023 12:42:01 | approved |
| S5-233020 | 03/03/2023 12:42:48 | noted |
| S5-233021 | 03/03/2023 10:45:54 | revised |
| S5-233022 | 03/03/2023 10:47:01 | revised |
| S5-233023 | 06/03/2023 10:55:24 | agreed |
| S5-233024 | 06/03/2023 11:03:52 | agreed |
| S5-233025 | 06/03/2023 11:04:01 | agreed |
| S5-233026 | 06/03/2023 10:55:51 | reserved |
| S5-233027 | 06/03/2023 11:02:03 | withdrawn |
| S5-233028 | 06/03/2023 11:02:25 | withdrawn |
| S5-233029 | 06/03/2023 11:03:10 | withdrawn |
| S5-233030 | 06/03/2023 11:03:35 | agreed |
| S5-233031 | 06/03/2023 09:43:29 | reserved |
| S5-233032 | 06/03/2023 12:41:27 | reserved |
| S5-233033 | 03/03/2023 10:13:02 | agreed |
| S5-233034 | 03/03/2023 12:47:41 | noted |
| S5-233035 | 03/03/2023 12:48:38 | approved |
| S5-233036 | 03/03/2023 12:48:48 | approved |
| S5-233037 | 03/03/2023 12:49:01 | approved |
| S5-233038 | 03/03/2023 12:49:11 | approved |
| S5-233039 | 03/03/2023 12:37:16 | approved |
| S5-233040 | 03/03/2023 12:33:32 | approved |
| S5-233041 | 03/03/2023 12:33:40 | approved |
| S5-233042 | 03/03/2023 12:49:27 | noted |
| S5-233043 | 03/03/2023 12:51:55 | noted |
| S5-233044 | 03/03/2023 12:52:12 | noted |
| S5-233045 | 03/03/2023 12:52:40 | approved |
| S5-233046 | 03/03/2023 13:31:31 | approved |
| S5-233047 | 03/03/2023 12:54:21 | approved |
| S5-233048 | 03/03/2023 12:54:30 | approved |
| S5-233049 | 03/03/2023 12:54:38 | approved |
| S5-233050 | 03/03/2023 12:54:44 | approved |
| S5-233051 | 03/03/2023 12:54:51 | approved |
| S5-233052 | 03/03/2023 12:54:57 | approved |
| S5-233053 | 03/03/2023 12:55:06 | approved |
| S5-233054 | 03/03/2023 12:26:22 | noted |
| S5-233055 | 03/03/2023 12:55:14 | noted |
| S5-233056 | 03/03/2023 09:47:03 | withdrawn |
| S5-233057 | 03/03/2023 09:48:26 | reserved |
| S5-233057 | 03/03/2023 09:48:35 | withdrawn |
| S5-233058 | 03/03/2023 09:47:47 | available |
| S5-233059 | 03/03/2023 08:06:43 | agreed |
| S5-233060 | 03/03/2023 08:08:23 | agreed |
| S5-233061 | 03/03/2023 08:08:53 | agreed |
| S5-233062 | 03/03/2023 08:09:22 | agreed |
| S5-233063 | 03/03/2023 08:11:46 | available |
| S5-233064 | 03/03/2023 13:19:34 | revised |
| S5-233065 | 03/03/2023 13:23:09 | approved |
| S5-233066 | 03/03/2023 13:23:26 | withdrawn |
| S5-233067 | 03/03/2023 08:12:29 | agreed |
| S5-233068 | 03/03/2023 08:12:57 | agreed |
| S5-233069 | 03/03/2023 08:13:15 | agreed |
| S5-233070 | 03/03/2023 07:58:53 | agreed |
| S5-233071 | 03/03/2023 07:59:55 | available |
| S5-233072 | 03/03/2023 07:59:58 | available |
| S5-233073 | 03/03/2023 08:03:39 | revised |
| S5-233074 | 02/03/2023 09:47:22 | agreed |
| S5-233075 | 03/03/2023 08:15:09 | agreed |
| S5-233076 | 03/03/2023 08:15:30 | agreed |
| S5-233077 | 03/03/2023 08:15:48 | agreed |
| S5-233078 | 03/03/2023 08:16:05 | agreed |
| S5-233079 | 03/03/2023 08:16:26 | agreed |
| S5-233080 | 03/03/2023 08:18:08 | available |
| S5-233081 | 03/03/2023 08:18:13 | available |
| S5-233082 | 03/03/2023 10:21:00 | withdrawn |
| S5-233083 | 03/03/2023 12:31:45 | approved |
| S5-233084 | 03/03/2023 08:19:24 | agreed |
| S5-233085 | 03/03/2023 08:19:32 | agreed |
| S5-233086 | 03/03/2023 08:20:11 | available |
| S5-233087 | 03/03/2023 08:20:15 | available |
| S5-233088 | 03/03/2023 08:20:19 | available |
| S5-233089 | 03/03/2023 08:20:23 | available |
| S5-233090 | 03/03/2023 08:21:39 | agreed |
| S5-233091 | 03/03/2023 08:22:20 | agreed |
| S5-233092 | 03/03/2023 08:22:41 | available |
| S5-233093 | 02/03/2023 13:06:15 | agreed |
| S5-233094 | 02/03/2023 13:06:19 | agreed |
| S5-233095 | 02/03/2023 13:06:12 | agreed |
| S5-233096 | 03/03/2023 08:24:16 | agreed |
| S5-233097 | 03/03/2023 08:24:17 | agreed |
| S5-233098 | 03/03/2023 08:24:55 | agreed |
| S5-233099 | 03/03/2023 08:24:56 | agreed |
| S5-233100 | 03/03/2023 08:24:58 | agreed |
| S5-233101 | 03/03/2023 08:25:05 | agreed |
| S5-233102 | 03/03/2023 08:25:53 | reserved |
| S5-233102 | 16/03/2023 10:21:56 | withdrawn |
| S5-233103 | 03/03/2023 08:26:00 | reserved |
| S5-233103 | 16/03/2023 10:22:13 | withdrawn |
| S5-233104 | 03/03/2023 08:26:30 | agreed |
| S5-233105 | 03/03/2023 08:26:34 | agreed |
| S5-233106 | 03/03/2023 08:27:19 | agreed |
| S5-233106 | 03/03/2023 08:28:44 | revised |
| S5-233107 | 03/03/2023 08:27:44 | agreed |
| S5-233107 | 03/03/2023 08:30:23 | revised |
| S5-233108 | 03/03/2023 13:23:56 | noted |
| S5-233109 | 03/03/2023 09:10:28 | agreed |
| S5-233110 | 03/03/2023 09:10:34 | agreed |
| S5-233111 | 03/03/2023 09:10:48 | agreed |
| S5-233112 | 03/03/2023 13:49:01 | agreed |
| S5-233113 | 03/03/2023 13:49:03 | agreed |
| S5-233114 | 03/03/2023 13:49:09 | agreed |
| S5-233115 | 03/03/2023 09:12:45 | agreed |
| S5-233116 | 03/03/2023 09:12:46 | agreed |
| S5-233117 | 03/03/2023 09:17:10 | agreed |
| S5-233118 | 03/03/2023 09:17:13 | agreed |
| S5-233119 | 02/03/2023 15:34:30 | agreed |
| S5-233120 | 03/03/2023 09:21:29 | reserved |
| S5-233121 | 03/03/2023 09:21:14 | available |
| S5-233121 | 03/03/2023 13:50:32 | agreed |
| S5-233121 | 09/03/2023 13:22:01 | revised |
| S5-233122 | 03/03/2023 13:50:33 | agreed |
| S5-233123 | 02/03/2023 16:03:40 | agreed |
| S5-233124 | 02/03/2023 16:03:41 | agreed |
| S5-233125 | 03/03/2023 09:26:00 | agreed |
| S5-233126 | 03/03/2023 13:05:06 | noted |
| S5-233127 | 03/03/2023 13:05:10 | noted |
| S5-233128 | 03/03/2023 12:57:03 | withdrawn |
| S5-233129 | 03/03/2023 12:57:59 | withdrawn |
| S5-233130 | 03/03/2023 07:46:38 | noted |
| S5-233131 | 03/03/2023 07:46:01 | noted |
| S5-233132 | 02/03/2023 16:23:07 | agreed |
| S5-233133 | 03/03/2023 13:27:04 | approved |
| S5-233134 | 03/03/2023 09:13:59 | agreed |
| S5-233135 | 03/03/2023 09:14:00 | agreed |
| S5-233136 | 03/03/2023 09:14:15 | agreed |
| S5-233137 | 03/03/2023 10:12:11 | reserved |
| S5-233138 | 03/03/2023 12:37:44 | approved |
| S5-233139 | 03/03/2023 09:15:21 | agreed |
| S5-233140 | 03/03/2023 09:16:18 | agreed |
| S5-233141 | 03/03/2023 09:16:29 | agreed |
| S5-233142 | 03/03/2023 07:14:34 | reserved |
| S5-233143 | 03/03/2023 07:56:58 | agreed |
| S5-233144 | 03/03/2023 13:48:04 | agreed |
| S5-233145 | 03/03/2023 07:44:26 | agreed |
| S5-233146 | 03/03/2023 07:54:02 | approved |
| S5-233147 | 03/03/2023 07:54:40 | approved |
| S5-233148 | 03/03/2023 08:04:16 | agreed |
| S5-233149 | 03/03/2023 08:30:03 | agreed |
| S5-233150 | 03/03/2023 08:30:24 | agreed |
| S5-233151 | 03/03/2023 12:56:03 | noted |
| S5-233152 | 03/03/2023 13:54:31 | approved |
| S5-233153 | 03/03/2023 10:07:43 | withdrawn |
| S5-233153 | 03/03/2023 13:53:18 | approved |
| S5-233153 | 03/03/2023 14:20:47 | noted |
| S5-233154 | 03/03/2023 13:53:01 | approved |
| S5-233154 | 03/03/2023 14:20:52 | noted |
| S5-233155 | 03/03/2023 13:55:04 | available |
| S5-233156 | 03/03/2023 12:44:42 | approved |
| S5-233157 | 03/03/2023 12:45:09 | approved |
| S5-233158 | 03/03/2023 13:03:13 | reserved |
| S5-233159 | 03/03/2023 13:19:43 | reserved |
| S5-233159 | 03/03/2023 13:19:58 | approved |
| S5-233160 | 03/03/2023 13:36:17 | reserved |
| S5-233160 | 10/03/2023 12:23:24 | noted |
| S5-233161 | 03/03/2023 14:01:32 | reserved |
| S5-233162 | 03/03/2023 14:03:02 | reserved |
| S5-233163 | 03/03/2023 14:05:22 | reserved |
| S5-233164 | 03/03/2023 14:06:51 | reserved |
| S5-233165 | 03/03/2023 14:07:50 | reserved |
| S5-233166 | 03/03/2023 14:12:41 | reserved |
| S5-233167 | 03/03/2023 14:14:23 | reserved |
| S5-233168 | 03/03/2023 14:17:04 | reserved |
| S5-233169 | 03/03/2023 14:18:44 | reserved |
| S5-233170 | 03/03/2023 14:20:34 | reserved |
| S5-233171 | 03/03/2023 14:26:10 | reserved |
| S5-233172 | 03/03/2023 14:38:10 | reserved |
| S5-233172 | 08/03/2023 10:47:04 | withdrawn |
| S5-233173 | 03/03/2023 14:44:24 | reserved |
| S5-233174 | 06/03/2023 12:59:14 | reserved |
| S5-233175 | 09/03/2023 13:22:02 | agreed |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-232061 | Fixing inconsistencies in Energy Saving related attribute definitions | Huawei | 28.104 | 0030 | - | Rel-17 | F | eMDAS | agreed |
| S5-232271 | Rel-17 CR TS 28.104 correct error of references number | Huawei | 28.104 | 0031 | - | Rel-17 | F | eMDAS | agreed |
| S5-232272 | Rel-17 CR TS 28.104 Adding missing support qualifier of maintenance analysis use case | Huawei | 28.104 | 0032 | - | Rel-17 | F | eMDAS | revised |
| S5-232981 | Rel-17 CR TS 28.104 Adding missing support qualifier of maintenance analysis use case | Huawei | 28.104 | 0032 | 1 | Rel-17 | F | eMDAS | not pursued |
| S5-232273 | Rel-17 CR TS 28.104 Correct errors in HOTargetType and NRM fragment note | Huawei | 28.104 | 0033 | - | Rel-17 | F | eMDAS | agreed |
| S5-232290 | Improve definition of network slice throughput analysis | Huawei | 28.104 | 0034 | - | Rel-17 | F | eMDAS | agreed |
| S5-232291 | Add coordination requirement and domain MDAF reporting | Huawei | 28.104 | 0035 | - | Rel-18 | B | eMDAS\_Ph2 | not pursued |
| S5-232292 | Improve definition of network slice traffic prediction | Huawei | 28.104 | 0036 | - | Rel-18 | C | eMDAS\_Ph2 | not pursued |
| S5-232293 | Improve requirements for network slice throughput analysis | Huawei | 28.104 | 0037 | - | Rel-18 | C | eMDAS\_Ph2 | not pursued |
| S5-232294 | Improve requirements for network slice traffic prediction | Huawei | 28.104 | 0038 | - | Rel-18 | C | eMDAS\_Ph2 | not pursued |
| S5-232295 | Add coodination requirement for user experience case | Huawei | 28.104 | 0039 | - | Rel-18 | B | eMDAS\_Ph2 | not pursued |
| S5-232297 | Correct multiplicity of attribute mDAOutputIEName | Huawei | 28.104 | 0040 | - | Rel-17 | F | eMDAS | agreed |
| S5-232368 | Correction of terminology | Intel, NEC | 28.104 | 0041 | - | Rel-17 | F | eMDAS | revised |
| S5-233059 | Correction of terminology | Intel, NEC | 28.104 | 0041 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-232395 | Rel-18 CR 28.104 Clarification of energy saving analysis use case | Intel Belgium SA/NV | 28.104 | 0042 | - | Rel-18 | F | eMDAS | withdrawn |
| S5-232449 | Rel-18 CR 28.104 MDAS COSLA interworking | Samsung R&D Institute UK | 28.104 | 0043 | - | Rel-18 | B | eMDAS\_Ph2 | not pursued |
| S5-232992 | Rel-18 CR 28.104 MDAS COSLA interworking | Samsung R&D Institute UK | 28.104 | 0043 | 1 | Rel-18 | B | eMDAS\_Ph2 | withdrawn |
| S5-232161 | Rel-17 CR TS 28.105 Adding the missing definition of attributes Stage 2 and Stage 3 | Nokia, Nokia Shangai Bell | 28.105 | 0011 | - | Rel-17 | F | eMDAS | agreed |
| S5-232162 | Rel-17 CR TS 28.105 Adding the missing relation between ML entity and ML process | Nokia, Nokia Shangai Bell | 28.105 | 0012 | - | Rel-17 | F | eMDAS | not pursued |
| S5-232163 | Rel-17 CR TS 28.105 Correcting the attribute properties | Nokia, Nokia Shangai Bell | 28.105 | 0013 | - | Rel-17 | F | eMDAS | revised |
| S5-233067 | Rel-17 CR TS 28.105 Correcting the attribute properties | Nokia, Nokia Shangai Bell | 28.105 | 0013 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-232202 | Correction of the Handling errors in data and ML decisions | Ericsson | 28.105 | 0014 | - | Rel-17 | F | eMDAS | revised |
| S5-233060 | Correction of the Handling errors in data and ML decisions | Ericsson | 28.105 | 0014 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-232203 | Rel-17 CR TS 28.105 Correction of terminologies | Ericsson India Private Limited | 28.105 | 0015 | - | Rel-17 | F | eMDAS | revised |
| S5-233061 | Rel-17 CR TS 28.105 Correction of terminologies | Ericsson India Private Limited | 28.105 | 0015 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-232204 | Rel-17 CR TS 28.105 Correction of the figure for ML training function | Ericsson India Private Limited | 28.105 | 0016 | - | Rel-17 | F | eMDAS | withdrawn |
| S5-232276 | Rel-17 CR TS 28.105 correct AI/ML related terms | Huawei | 28.105 | 0017 | - | Rel-17 | F | eMDAS | revised |
| S5-233062 | Rel-17 CR TS 28.105 correct AI/ML related terms | Huawei | 28.105 | 0017 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-232277 | Rel-17 CR TS 28.105 correct formatting and spelling errors | Huawei | 28.105 | 0018 | - | Rel-17 | F | eMDAS | revised |
| S5-233068 | Rel-17 CR TS 28.105 correct formatting and spelling errors | Huawei | 28.105 | 0018 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-232278 | Rel17 CR TS 28.105 correct attribute definitions | Huawei | 28.105 | 0019 | - | Rel-17 | F | eMDAS | revised |
| S5-233069 | Rel17 CR TS 28.105 correct attribute definitions | Huawei | 28.105 | 0019 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-232370 | Correction of terminology | Intel, NEC | 28.105 | 0020 | - | Rel-17 | F | eMDAS | merged |
| S5-232715 | Rel-17 CR TS 28.105 Correction of the figure for ML training function | Ericsson India Private Limited | 28.105 | 0021 | - | Rel-17 | F | eMDAS | revised |
| S5-233063 | Rel-17 CR TS 28.105 Correction of the figure for ML training function | Ericsson India Private Limited | 28.105 | 0021 | 1 | Rel-17 | F | eMDAS | not pursued |
| S5-232053 | Correct latency-based URLLC EE KPI unit | Huawei | 28.310 | 0023 | - | Rel-17 | F | EE5GPLUS | agreed |
| S5-232054 | Correct latency-based URLLC EE KPI unit | Huawei | 28.310 | 0024 | - | Rel-18 | A | EE5GPLUS | agreed |
| S5-232055 | Correct measurement used for eMBB and URLLC EE KPIs | Huawei | 28.310 | 0025 | - | Rel-17 | F | EE5GPLUS | agreed |
| S5-232056 | Correct measurement used for eMBB and URLLC EE KPIs | Huawei | 28.310 | 0026 | - | Rel-18 | A | EE5GPLUS | agreed |
| S5-232106 | Adding traceablity for ES compensation activation and deactivation procedures | Nokia, Nokia Shanghai Bell | 28.310 | 0027 | - | Rel-18 | C | EE5GPLUS\_Ph2 | revised |
| S5-232904 | Adding traceablity for ES compensation activation and deactivation procedures | Nokia, Nokia Shanghai Bell | 28.310 | 0027 | 1 | Rel-18 | C | EE5GPLUS\_Ph2 | agreed |
| S5-232181 | Update procedures for delete an intent and query an intent | Huawei | 28.312 | 0015 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-233074 | Update procedures for delete an intent and query an intent | Huawei, Deutsche Telekom | 28.312 | 0015 | 1 | Rel-17 | F | IDMS\_MN | agreed |
| S5-232182 | Udpate Annex C Mapping the 3GPP and the TM Forum intentExpectation Models | Huawei, Deutsche Telekom | 28.312 | 0016 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-233075 | Udpate Annex C Mapping the 3GPP and the TM Forum intentExpectation Models | Huawei, Deutsche Telekom | 28.312 | 0016 | 1 | Rel-17 | F | IDMS\_MN | agreed |
| S5-232183 | Update clause 4.2.2 Intent driven MnS | Huawei,Deutsche Telekom | 28.312 | 0017 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-233076 | Update clause 4.2.2 Intent driven MnS | Huawei,Deutsche Telekom | 28.312 | 0017 | 1 | Rel-17 | F | IDMS\_MN | agreed |
| S5-232237 | TS28.312 Rel-17 update stage 3 definition PlmnId | Nokia, Nokia Shanghai Bell | 28.312 | 0018 | - | Rel-18 | F | TEI17 | revised |
| S5-232463 | TS28.312 Rel-17 update stage 3 definition PlmnId | Nokia, Nokia Shanghai Bell | 28.312 | 0018 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-232245 | Add clarification on cluase 4.5 General concept of Intent Content | Huawei | 28.312 | 0019 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-233077 | Add clarification on cluase 4.5 General concept of Intent Content | Huawei | 28.312 | 0019 | 1 | Rel-17 | F | IDMS\_MN | agreed |
| S5-232246 | Update clause 6.2.2.1.2.4 ExpectationContexts | Huawei | 28.312 | 0020 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-232247 | Correct the value of the defaultValue in Table 6.2.2.2-1 | Huawei | 28.312 | 0021 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-232287 | Correct Context date type definition | Huawei | 28.312 | 0022 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-233078 | Correct Context date type definition | Huawei | 28.312 | 0022 | 1 | Rel-17 | F | IDMS\_MN | agreed |
| S5-232288 | Change targetAttribute to targetName | Huawei | 28.312 | 0023 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-232289 | Update the figure 6.2.1.1.1-1:Relationship UML diagram for intent | Huawei | 28.312 | 0024 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-232405 | TS28.312 Rel-17 update stage 3 definition PlmnId | Nokia, Nokia Shanghai Bell | 28.312 | 0025 | - | Rel-17 | F | TEI17 | withdrawn |
| S5-232518 | Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions | Nokia, Nokia Shanghai Bell | 28.312 | 0026 | - | Rel-17 | F | TEI17 | revised |
| S5-232558 | Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions | Nokia, Nokia Shanghai Bell | 28.312 | 0026 | 1 | Rel-17 | F | TEI17 | withdrawn |
| S5-232565 | Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions Title | Nokia, Nokia Shanghai Bell | 28.312 | 0026 | 2 | Rel-17 | F | TEI17 | revised |
| S5-233079 | Rel-17 CR TS 28.312 Correction to Context and Expectation object definitions Title | Nokia, Nokia Shanghai Bell | 28.312 | 0026 | 3 | Rel-17 | F | TEI17 | agreed |
| S5-232274 | Rel-17 CR TS 28.313 Align the attribute name of SON case with TS 28.541 | Huawei | 28.313 | 0054 | - | Rel-17 | A | SON\_5G | agreed |
| S5-232275 | Rel-16 CR TS 28.313 Align the attribute name of SON case with TS 28.541 | Huawei | 28.313 | 0055 | - | Rel-16 | F | SON\_5G | agreed |
| S5-232115 | Add MDT Alignment Information and RAN visible QoE Metrics to Signalling Based Activation | Ericsson Limited | 28.405 | 0022 | - | Rel-18 | B | eQoE | agreed |
| S5-232381 | Rel-16 CR 28.530 Correct network slice abbrevations | Ericsson LM | 28.530 | 0055 | - | Rel-16 | F | NETSLICE-PRO\_NS, TEI16 | revised |
| S5-233090 | Rel-16 CR 28.530 Correct network slice abbrevations | Ericsson LM | 28.530 | 0055 | 1 | Rel-16 | F | NETSLICE-PRO\_NS, TEI16 | agreed |
| S5-232383 | Rel-17 CR 28.530 Correct network slice abbrevations | Ericsson LM | 28.530 | 0056 | - | Rel-17 | A | NETSLICE-PRO\_NS, TEI16 | revised |
| S5-233091 | Rel-17 CR 28.530 Correct network slice abbrevations | Ericsson LM | 28.530 | 0056 | 1 | Rel-17 | A | NETSLICE-PRO\_NS, TEI16 | agreed |
| S5-232103 | Procedures to support asynchronous Network Slice LCM operations | Nokia, Nokia Shanghai Bell | 28.531 | 0145 | 3 | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-232139 | Removal of redundant network slice modification use case | Nokia, Nokia Shanghai Bell | 28.531 | 0164 | - | Rel-17 | F | TEI17 | agreed |
| S5-232226 | Rel-18 CR 28.531 Update NSI / NSSI allocation procedures | Intel Belgium SA/NV | 28.531 | 0165 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-232227 | Rel-18 CR 28.531 Update NSI / NSSI deallocation procedures | Intel Belgium SA/NV | 28.531 | 0166 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-232373 | Clarify network slicing provisioning use case | Ericsson | 28.531 | 0167 | - | Rel-15 | F | NETSLICE | revised |
| S5-233086 | Clarify network slicing provisioning use case | Ericsson | 28.531 | 0167 | 1 | Rel-15 | F | NETSLICE | not pursued |
| S5-232374 | Clarify network slicing provisioning use case | Ericsson | 28.531 | 0168 | - | Rel-16 | A | NETSLICE | revised |
| S5-233087 | Clarify network slicing provisioning use case | Ericsson | 28.531 | 0168 | 1 | Rel-16 | A | NETSLICE | not pursued |
| S5-232375 | Clarify network slicing provisioning use case | Ericsson | 28.531 | 0169 | - | Rel-17 | A | NETSLICE | revised |
| S5-233088 | Clarify network slicing provisioning use case | Ericsson | 28.531 | 0169 | 1 | Rel-17 | A | NETSLICE | not pursued |
| S5-232377 | Clarify network slicing provisioning use case | Ericsson | 28.531 | 0170 | - | Rel-18 | A | NETSLICE | revised |
| S5-233089 | Clarify network slicing provisioning use case | Ericsson | 28.531 | 0170 | 1 | Rel-18 | A | NETSLICE | not pursued |
| S5-232442 | Rel-17 CR 28.531 OpenAPI SS for 28.531 | Samsung R&D Institute UK | 28.531 | 0171 | - | Rel-17 | F | TEI17 | not pursued |
| S5-232443 | Rel-18 CR 28.531 OpenAPI SS for 28.531 | Samsung R&D Institute UK | 28.531 | 0172 | - | Rel-18 | A | TEI17 | not pursued |
| S5-232340 | Rel-16 CR 28.532 Align media type names with TS 32.158 | Nokia, Nokia Shanghai Bell | 28.532 | 0240 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232341 | Rel-17 CR 28.532 Align media type names with TS 32.158 | Nokia, Nokia Shanghai Bell | 28.532 | 0241 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232342 | Rel-16 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges | Nokia, Nokia Shanghai Bell | 28.532 | 0242 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-232954 | Rel-16 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges | Nokia, Nokia Shanghai Bell | 28.532 | 0242 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232343 | Rel-17 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges | Nokia, Nokia Shanghai Bell | 28.532 | 0243 | - | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-232955 | Rel-17 CR 28.532 Add examples for notifyMOICreation, notifyMOIDeletion and notifyAttributeValueChanges | Nokia, Nokia Shanghai Bell | 28.532 | 0243 | 1 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232344 | Rel-17 CR 28.532 Clarify definitions related to attributes | Nokia, Nokia Shanghai Bell | 28.532 | 0244 | - | Rel-17 | F | REST\_SS, TEI17 | revised |
| S5-233125 | Rel-17 CR 28.532 Clarify definitions related to attributes | Nokia, Nokia Shanghai Bell | 28.532 | 0244 | 1 | Rel-17 | F | REST\_SS, TEI17 | agreed |
| S5-232467 | Updates for generic management services | Huawei | 28.532 | 0245 | - | Rel-17 | A | TEI15 | agreed |
| S5-232468 | Updates for generic management services | Huawei | 28.532 | 0246 | - | Rel-16 | A | TEI15 | agreed |
| S5-232469 | Updates for generic management services | Huawei | 28.532 | 0247 | - | Rel-15 | F | TEI15 | agreed |
| S5-232716 | Rel-17 CR 28.532 Add predicted alarms (stage 2) | Nokia, Nokia Shanghai Bell | 28.532 | 0248 | - | Rel-17 | C | adNRM | not pursued |
| S5-232464 | Correct the Management Data Analytics Capability Description | Huawei | 28.533 | 0102 | - | Rel-17 | A | TEI15 | revised |
| S5-232985 | Correct the Management Data Analytics Capability Description | Huawei | 28.533 | 0102 | 1 | Rel-17 | A | TEI15 | agreed |
| S5-232465 | Correct the Management Data Analytics Capability Description | Huawei | 28.533 | 0103 | - | Rel-16 | A | TEI15 | revised |
| S5-232986 | Correct the Management Data Analytics Capability Description | Huawei | 28.533 | 0103 | 1 | Rel-16 | A | TEI15 | agreed |
| S5-232466 | Correct the Management Data Analytics Capability Description | Huawei | 28.533 | 0104 | - | Rel-15 | F | TEI15 | revised |
| S5-232987 | Correct the Management Data Analytics Capability Description | Huawei | 28.533 | 0104 | 1 | Rel-15 | F | TEI15 | agreed |
| S5-232547 | Update lifecycle phase description of closed control loop | Huawei | 28.535 | 0067 | - | Rel-17 | F | TEI17 | not pursued |
| S5-232548 | Update coordination between closed control loops | Huawei | 28.535 | 0068 | - | Rel-17 | F | TEI17 | agreed |
| S5-232679 | Rel-17 CR for TS28.535 delete redundant monitoring content of the management system | ZTE Corporation | 28.535 | 0069 | - | Rel-17 | F | TEI17 | agreed |
| S5-232450 | Rel-17 CR 28.536 adding missing assuranceScope in AssuranceGoal | Samsung R&D Institute UK | 28.536 | 0057 | - | Rel-17 | F | TEI17 | agreed |
| S5-232184 | Rel-17 CR TS 28.537 Correct the description and requirements for producing and reporting management data (6.3.14) | Huawei | 28.537 | 0011 | - | Rel-17 | F | MADCOL | revised |
| S5-233120 | Rel-17 CR TS 28.537 Correct the description and requirements for producing and reporting management data (6.3.14) | Huawei | 28.537 | 0011 | 1 | Rel-17 | F | MADCOL | not pursued |
| S5-232073 | Rel-18 CR 28.538 Add stage 3 solution for request identifier attributes | Intel Corporation (UK) Ltd | 28.538 | 0025 | - | Rel-18 | B | eECM | not pursued |
| S5-233016 | Rel-18 CR 28.538 Add stage 3 solution for request identifier attributes | Intel Corporation (UK) Ltd | 28.538 | 0025 | 1 | Rel-18 | B | eECM | withdrawn |
| S5-232224 | Rel-18 CR 28.538 Add stage 2 solution for request identifier attributes | Intel Belgium SA/NV | 28.538 | 0026 | - | Rel-18 | B | eECM | not pursued |
| S5-233015 | Rel-18 CR 28.538 Add stage 2 solution for request identifier attributes | Intel Belgium SA/NV | 28.538 | 0026 | 1 | Rel-18 | B | eECM | withdrawn |
| S5-232228 | Rel-18 CR 28.538 Revise EAS VNF instantiation and termination procedures | Intel Belgium SA/NV | 28.538 | 0027 | - | Rel-18 | B | eECM | revised |
| S5-233014 | Rel-18 CR 28.538 Revise EAS VNF instantiation and termination procedures | Intel Belgium SA/NV | 28.538 | 0027 | 1 | Rel-18 | B | eECM | not pursued |
| S5-232238 | TS28.538 Rel-17 update stage 3 definition PlmnId | Nokia, Nokia Shanghai Bell | 28.538 | 0028 | - | Rel-17 | F | TEI17 | agreed |
| S5-232239 | TS28.538 Rel-18 update stage 3 definition PlmnId | Nokia, Nokia Shanghai Bell | 28.538 | 0029 | - | Rel-18 | A | TEI17 | agreed |
| S5-232448 | Rel-18 CR 28.538 eECM | Samsung R&D Institute UK | 28.538 | 0030 | - | Rel-18 | B | eECM | revised |
| S5-233019 | Rel-18 CR 28.538 eECM | Samsung R&D Institute UK | 28.538 | 0030 | 1 | Rel-18 | B | eECM | agreed |
| S5-233017 | Rel-18 CR 28.538 Add stage 2 solution for LcmProcess IOC | Intel Belgium SA/NV | 28.538 | 0031 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-233018 | Rel-18 CR 28.538 Add stage 3 solution for LcmProcess IOC | Intel Corporation (UK) Ltd | 28.538 | 0032 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-232102 | Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell | 28.541 | 0800 | 3 | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-232086 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS, Telefonica | 28.541 | 0818 | 2 | Rel-18 | C | AdNRM\_ph2 | revised |
| S5-232907 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS, Telefonica,Huawei,Verizon | 28.541 | 0818 | 3 | Rel-18 | C | AdNRM\_ph2 | not pursued |
| S5-232108 | Add missing SLS attributes supported in serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | 28.541 | 0852 | - | Rel-17 | F | TEI17 | revised |
| S5-233080 | Add missing SLS attributes supported in serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI, Huawei | 28.541 | 0852 | 1 | Rel-17 | F | TEI17 | not pursued |
| S5-232109 | Add missing SLS attributes supported in serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | 28.541 | 0853 | - | Rel-18 | A | TEI17 | revised |
| S5-233081 | Add missing SLS attributes supported in serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI, Huawei | 28.541 | 0853 | 1 | Rel-18 | A | TEI17 | not pursued |
| S5-232110 | Fix missing reference to mid-haul interface for EP Transport | Nokia, Nokia Shanghai Bell | 28.541 | 0854 | - | Rel-17 | F | TEI17 | agreed |
| S5-232111 | Fix missing reference to mid-haul interface for EP Transport | Nokia, Nokia Shanghai Bell | 28.541 | 0855 | - | Rel-18 | A | TEI17 | agreed |
| S5-232112 | Fix duplicated SST attribute in RANSliceSubnetProfile | Nokia, Nokia Shanghai Bell | 28.541 | 0856 | - | Rel-17 | F | TEI17 | agreed |
| S5-232113 | Fix duplicated SST attribute in RANSliceSubnetProfile | Nokia, Nokia Shanghai Bell | 28.541 | 0857 | - | Rel-18 | A | TEI17 | agreed |
| S5-232114 | Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell | 28.541 | 0858 | - | Rel-18 | B | NSRULE | not pursued |
| S5-233057 | Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell | 28.541 | 0858 | 1 | Rel-18 | B | NSRULE | withdrawn |
| S5-232117 | NRM enhancements for SMSFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0859 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-232908 | NRM enhancements for SMSFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0859 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-232118 | NRM enhancements for NRFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0860 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-232909 | NRM enhancements for NRFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0860 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-232119 | NRM enhancements for LMFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0861 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-232910 | NRM enhancements for LMFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0861 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-232120 | NRM enhancements for AFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0862 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-232915 | NRM enhancements for AFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0862 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-232121 | TS28.541 Rel-18 NRM enhancements for EASDFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0863 | - | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-232122 | TS28.541 Rel-18 NRM enhancements for NSSAAFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0864 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-232916 | TS28.541 Rel-18 NRM enhancements for NSSAAFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0864 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-232123 | TS28.541 Rel-16 remove redundant stage 3 definition for Mnc and PlmnId | Nokia, Nokia Shanghai Bell | 28.541 | 0865 | - | Rel-16 | F | TEI16 | agreed |
| S5-232124 | TS28.541 Rel-17 remove redundant stage 3 definition for Mnc and PlmnId | Nokia, Nokia Shanghai Bell | 28.541 | 0866 | - | Rel-17 | A | TEI16 | agreed |
| S5-232125 | TS28.541 Rel-18 remove redundant stage 3 definition for Mnc and PlmnId | Nokia, Nokia Shanghai Bell | 28.541 | 0867 | - | Rel-18 | A | TEI16 | revised |
| S5-232457 | remove redundant stage 3 definition for Mnc and PlmnId | Nokia, Nokia Shanghai Bell | 28.541 | 0867 | 1 | Rel-18 | A | TEI16 | agreed |
| S5-232126 | TS28.541 Rel-16 Fix IpAddr definition and references | Nokia, Nokia Shanghai Bell | 28.541 | 0868 | - | Rel-16 | F | TEI16 | withdrawn |
| S5-232127 | TS28.541 Rel-17 Fix IpAddr definition and references | Nokia, Nokia Shanghai Bell | 28.541 | 0869 | - | Rel-17 | F | TEI17 | revised |
| S5-232460 | TS28.541 Rel-17 Fix IpAddr definition and references | Nokia, Nokia Shanghai Bell | 28.541 | 0869 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-232128 | Fix IpAddr definition and references | Nokia, Nokia Shanghai Bell | 28.541 | 0870 | - | Rel-18 | A | TEI17 | revised |
| S5-233119 | Fix IpAddr definition and references | Nokia, Nokia Shanghai Bell | 28.541 | 0870 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-232134 | TS28.541 Rel-17 ManagedNFProfile stage3 not consistent with Stage 2 | Nokia, Nokia Shanghai Bell | 28.541 | 0871 | - | Rel-17 | F | AdNRM | agreed |
| S5-232135 | TS28.541 Rel-18 ManagedNFProfile stage3 not consistent with Stage 2 | Nokia, Nokia Shanghai Bell | 28.541 | 0872 | - | Rel-18 | A | AdNRM | agreed |
| S5-232175 | Correct issues for feasibility check and resource reservation NRM fragment | Huawei | 28.541 | 0873 | - | Rel-17 | F | adNRM | revised |
| S5-233084 | Correct issues for feasibility check and resource reservation NRM fragment | Huawei | 28.541 | 0873 | 1 | Rel-17 | F | adNRM | agreed |
| S5-232176 | Correct issues for feasibility check and resource reservation NRM fragment | Huawei | 28.541 | 0874 | - | Rel-18 | A | adNRM | revised |
| S5-233085 | Correct issues for feasibility check and resource reservation NRM fragment | Huawei | 28.541 | 0874 | 1 | Rel-18 | A | adNRM | agreed |
| S5-232185 | Rel-18 CR TS 28.541 Add Enhanced QoS support in NRM (stage 3, YAML) | Huawei | 28.541 | 0875 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-232911 | Rel-18 CR TS 28.541 Add Enhanced QoS support in NRM (stage 3, YAML) | Huawei | 28.541 | 0875 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-232186 | Update NRM fragment for 5QI configuration for NG-RAN | Huawei | 28.541 | 0876 | - | Rel-18 | F | AdNRM\_ph2 | revised |
| S5-232912 | Update NRM fragment for 5QI configuration for NG-RAN | Huawei | 28.541 | 0876 | 1 | Rel-18 | F | AdNRM\_ph2 | agreed |
| S5-232187 | Rel-18 CR TS 28.541 Correct the description and definition fro NWDAFFucntion IOC | Huawei | 28.541 | 0877 | - | Rel-18 | F | AdNRM\_ph2 | revised |
| S5-232914 | Rel-18 CR TS 28.541 Correct the description and definition fro NWDAFFucntion IOC | Huawei | 28.541 | 0877 | 1 | Rel-18 | F | AdNRM\_ph2 | agreed |
| S5-232191 | Rel-15 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | 28.541 | 0878 | - | Rel-15 | F | TEI15 | revised |
| S5-233098 | Rel-15 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | 28.541 | 0878 | 1 | Rel-15 | F | TEI15 | agreed |
| S5-232192 | Rel-16 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | 28.541 | 0879 | - | Rel-16 | A | TEI15 | revised |
| S5-233099 | Rel-16 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | 28.541 | 0879 | 1 | Rel-16 | A | TEI15 | agreed |
| S5-232193 | Rel-17 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | 28.541 | 0880 | - | Rel-17 | A | TEI15 | revised |
| S5-233100 | Rel-17 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | 28.541 | 0880 | 1 | Rel-17 | A | TEI15 | agreed |
| S5-232194 | Rel-18 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | 28.541 | 0881 | - | Rel-18 | A | TEI15 | revised |
| S5-233101 | Rel-18 CR TS 28.541 Clarify mount information | Ericsson India Private Limited | 28.541 | 0881 | 1 | Rel-18 | A | TEI15 | agreed |
| S5-232264 | Correct the RRMPolicyRatio Description | Huawei | 28.541 | 0882 | - | Rel-18 | F | AdNRM\_ph2 | agreed |
| S5-232265 | R17 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT | China Telecom Corporation Ltd., Huawei | 28.541 | 0883 | - | Rel-17 | F | TEI17 | not pursued |
| S5-233102 | R17 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT | China Telecom Corporation Ltd., Huawei | 28.541 | 0883 | 1 | Rel-17 | F | TEI17 | withdrawn |
| S5-232266 | R18 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT | China Telecom Corporation Ltd. | 28.541 | 0884 | - | Rel-18 | A | TEI17 | not pursued |
| S5-233103 | R18 CR TS 28.541 Update attributes in ANR to support “Resource Coordination Only” in NCRT | China Telecom Corporation Ltd. | 28.541 | 0884 | 1 | Rel-18 | A | TEI17 | withdrawn |
| S5-232354 | Rel-18 CR 28.541 Add network slice selection information | Ericsson LM | 28.541 | 0885 | - | Rel-18 | B | NSRULE | not pursued |
| S5-233056 | Rel-18 CR 28.541 Add network slice selection information | Ericsson LM | 28.541 | 0885 | 1 | Rel-18 | B | NSRULE | withdrawn |
| S5-232358 | Rel-17 CR 28.541 Clarify use of V2X in service profile | Ericsson LM, Deutsche Telekom | 28.541 | 0886 | - | Rel-17 | F | TEI17 | not pursued |
| S5-232363 | Rel-18 CR 28.541 Clarify use of V2X in service profile | Ericsson LM, Deutsche Telekom | 28.541 | 0887 | - | Rel-18 | A | TEI17 | not pursued |
| S5-232391 | Add Annex recommending QoS model usage | Ericsson | 28.541 | 0888 | - | Rel-18 | C | AdNRM\_ph2 | revised |
| S5-232913 | Add Annex recommending QoS model usage | Ericsson | 28.541 | 0888 | 1 | Rel-18 | C | AdNRM\_ph2 | agreed |
| S5-232445 | Rel-17 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | 28.541 | 0889 | - | Rel-17 | F | TEI17 | revised |
| S5-233106 | Rel-17 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | 28.541 | 0889 | 1 | Rel-17 | F | TEI17 | revised |
| S5-233149 | Rel-17 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | 28.541 | 0889 | 2 | Rel-17 | F | TEI17 | agreed |
| S5-232447 | Rel-18 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | 28.541 | 0890 | - | Rel-18 | A | TEI17 | revised |
| S5-233107 | Rel-18 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | 28.541 | 0890 | 1 | Rel-18 | A | TEI17 | revised |
| S5-233150 | Rel-18 CR 28.541 fixing coverageArea | Samsung R&D Institute UK | 28.541 | 0890 | 2 | Rel-18 | A | TEI17 | agreed |
| S5-232719 | YANG Corrections | Ericsson Hungary Ltd | 28.541 | 0891 | - | Rel-18 | F | eNRM | agreed |
| S5-232170 | Rel-18 CR TS 28.550 Enhance the streaming format of PM | Nokia, Nokia Shangai Bell | 28.550 | 0076 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | not pursued |
| S5-233011 | Rel-18 CR TS 28.550 Enhance the streaming format of PM | Nokia, Nokia Shangai Bell | 28.550 | 0076 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | withdrawn |
| S5-232171 | Rel-18 CR TS 28.550 Example of ASN.1 schema for Streaming of PMs | Nokia, Nokia Shangai Bell | 28.550 | 0077 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-233013 | Rel-18 CR TS 28.550 Example of ASN.1 schema for Streaming of PMs | Nokia, Nokia Shangai Bell | 28.550 | 0077 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-232070 | Modify the counter name for Total error number of DL/UL TBs | RadiSys | 28.552 | 0396 | - | Rel-18 | F | PM\_KPI\_5G\_Ph3 | agreed |
| S5-232074 | Modify the criteria for incrementing counters of Intra-GNB Handover Preparation | RadiSys | 28.552 | 0397 | - | Rel-18 | F | PM\_KPI\_5G\_Ph3 | agreed |
| S5-232159 | Rel 18 TS 28.552 Add definition of DL PDCP buffered throughput per UE per DRB | Nokia, Nokia Shanghai Bell | 28.552 | 0398 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-233033 | Rel 18 TS 28.552 Add definition of DL PDCP buffered throughput per UE per DRB | Nokia, Nokia Shanghai Bell | 28.552 | 0398 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-232346 | Add measurements for distribution of UL delay between NG-RAN and UE (including D1) | Intel | 28.552 | 0399 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-233008 | Add measurements for distribution of UL delay between NG-RAN and UE (including D1) | Intel | 28.552 | 0399 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-232349 | Add measurements for average delay between NG-RAN and UE | Intel | 28.552 | 0400 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | not pursued |
| S5-232351 | Add measurements for DL packet loss rate on Uu | Intel | 28.552 | 0401 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-233010 | Add measurements for DL packet loss rate on Uu | Intel | 28.552 | 0401 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-232396 | Rel-18 CR 28.552 Revise the PNF Energy consumption measurement | Intel Belgium SA/NV | 28.552 | 0402 | - | Rel-18 | B | eMDAS\_Ph2 | not pursued |
| S5-232993 | Rel-18 CR 28.552 Revise the PNF Energy consumption measurement | Intel Belgium SA/NV | 28.552 | 0402 | 1 | Rel-18 | B | eMDAS\_Ph2 | withdrawn |
| S5-232404 | R18 CR TS 28.552 Add MA PDU session creation measurements for ATSSS | China Telecomunication Corp.,Intel | 28.552 | 0403 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | not pursued |
| S5-232436 | Rel18 CR for TS28.552 editorial correction | NTT DOCOMO INC. | 28.552 | 0404 | - | Rel-18 | D | TEI18 | agreed |
| S5-232632 | Rel-17 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover | ZTE Corporation | 28.552 | 0405 | - | Rel-17 | F | ePM\_KPI\_5G | revised |
| S5-233115 | Rel-17 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover | ZTE Corporation | 28.552 | 0405 | 1 | Rel-17 | F | ePM\_KPI\_5G | agreed |
| S5-232634 | Rel-18 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover | ZTE Corporation | 28.552 | 0406 | - | Rel-18 | A | ePM\_KPI\_5G | revised |
| S5-233116 | Rel-18 CR for TS28.552 Correct conditions of Number of UEs configured with conditional handover | ZTE Corporation | 28.552 | 0406 | 1 | Rel-18 | A | ePM\_KPI\_5G | agreed |
| S5-232635 | Rel-18 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions | ZTE Corporation | 28.552 | 0407 | - | Rel-18 | A | ePM\_KPI\_5G | agreed |
| S5-232636 | Rel-18 CR for TS28.552 Correct Mean and Max Time of requested legacy handover executions | ZTE Corporation | 28.552 | 0408 | - | Rel-18 | A | ePM\_KPI\_5G | agreed |
| S5-232639 | Rel-18 CR for TS28.552 editorial Corrections | ZTE Corporation | 28.552 | 0409 | - | Rel-18 | F | TEI18 | agreed |
| S5-232057 | Correct error in definition of ‘Average e2e uplink delay for a network slice’ | Huawei | 28.554 | 0106 | - | Rel-17 | F | EE5GPLUS | not pursued |
| S5-232058 | Correct error in definition of ‘Average e2e uplink delay for a network slice’ | Huawei | 28.554 | 0107 | - | Rel-18 | A | EE5GPLUS | not pursued |
| S5-232059 | Correct error in estimated VNFC energy consumption | Huawei | 28.554 | 0108 | - | Rel-17 | F | EE5GPLUS | agreed |
| S5-232060 | Correct error in estimated VNFC energy consumption | Huawei | 28.554 | 0109 | - | Rel-18 | A | EE5GPLUS | agreed |
| S5-232397 | Rel-18 CR 28.554 Add the KPI of VNF energy consumption | Intel Belgium SA/NV | 28.554 | 0110 | - | Rel-18 | B | EE5GPLUS\_Ph2 | not pursued |
| S5-232568 | Correction of integrity KPIs | Ericsson LM | 28.554 | 0111 | - | Rel-15 | F | TEI15 | agreed |
| S5-232569 | Correction of integrity KPIs | Ericsson LM | 28.554 | 0112 | - | Rel-16 | A | TEI15 | agreed |
| S5-232570 | Correction of integrity KPIs | Ericsson LM | 28.554 | 0113 | - | Rel-17 | A | TEI15 | agreed |
| S5-232571 | Correction of integrity KPIs | Ericsson LM | 28.554 | 0114 | - | Rel-18 | A | TEI15 | agreed |
| S5-232693 | S5-232693 Rel-17 CR TS 28.554 Energy Efficiency KPI of a URLLC network slice based on reliability | BEIJING SAMSUNG TELECOM R&D | 28.554 | 0115 | - | Rel-17 | B | EE5GPLUS\_Ph2 | withdrawn |
| S5-232695 | Rel-18 CR TS 28.554 Energy Efficiency KPI of a URLLC network slice based on reliability | BEIJING SAMSUNG TELECOM R&D | 28.554 | 0116 | - | Rel-18 | B | EE5GPLUS\_Ph2 | not pursued |
| S5-233082 | Rel-18 CR TS 28.554 Energy Efficiency KPI of a URLLC network slice based on reliability | BEIJING SAMSUNG TELECOM R&D | 28.554 | 0116 | 1 | Rel-18 | B | EE5GPLUS\_Ph2 | withdrawn |
| S5-232681 | Rel-17 CR for TS28.557 Correct wrong abbreviation for Data Centre Service Provider | ZTE Corporation | 28.557 | 0001 | - | Rel-17 | F | TEI17 | agreed |
| S5-232101 | Rel-18 CR TS28.622 Add abstract IOC Controller\_ to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell | 28.622 | 0179 | 2 | Rel-18 | B | eNETSLICE\_PRO | withdrawn |
| S5-232132 | TS28.622 Rel-17 Fix diagram issue in MnS Registry NRM fragment | Nokia, Nokia Shanghai Bell | 28.622 | 0208 | - | Rel-17 | F | TEI17 | merged |
| S5-232133 | TS28.622 Rel-18 Fix diagram issue in MnS Registry NRM fragment | Nokia, Nokia Shanghai Bell | 28.622 | 0209 | - | Rel-18 | A | TEI17 | merged |
| S5-232136 | Correcting traceRecordingSessionReference property | Ericsson Limited | 28.622 | 0210 | - | Rel-16 | F | 5GMDT | revised |
| S5-233134 | Correcting traceRecordingSessionReference property | Ericsson Limited | 28.622 | 0210 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-232137 | Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | 28.622 | 0211 | - | Rel-17 | A | 5GMDT | revised |
| S5-233135 | Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | 28.622 | 0211 | 1 | Rel-17 | A | 5GMDT | agreed |
| S5-232138 | Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | 28.622 | 0212 | - | Rel-18 | A | 5GMDT | revised |
| S5-233136 | Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | 28.622 | 0212 | 1 | Rel-18 | A | 5GMDT | agreed |
| S5-232160 | Rel-16 CR TS 28.622 Correcting attribute constraints for Trace Job | Nokia, Nokia Shangai Bell | 28.622 | 0213 | - | Rel-16 | F | TEI16 | agreed |
| S5-232164 | Rel-17 CR TS 28.622 Adding "altitude" to GeoArea datatype | Nokia, Nokia Shangai Bell | 28.622 | 0214 | - | Rel-17 | F | adNRM | agreed |
| S5-232165 | Rel-17 CR TS 28.622 Correcting attribute constraints for Trace Job | Nokia, Nokia Shangai Bell | 28.622 | 0215 | - | Rel-17 | A | TEI16 | agreed |
| S5-232166 | Rel-17 CR TS 28.622 Correcting the attribute properties for Excess packet delay threshold attribute | Nokia, Nokia Shangai Bell | 28.622 | 0216 | - | Rel-17 | F | TEI17 | withdrawn |
| S5-232172 | Rel-18 CR TS 28.622 Adding "altitude" to GeoArea datatype | Nokia, Nokia Shangai Bell | 28.622 | 0217 | - | Rel-18 | A | adNRM | agreed |
| S5-232173 | Rel-18 CR TS 28.622 Correcting attribute constraints for Trace Job | Nokia, Nokia Shangai Bell | 28.622 | 0218 | - | Rel-18 | A | 5GMDT | agreed |
| S5-232177 | Correct issues for generic NRM Fragment | Huawei | 28.622 | 0219 | - | Rel-17 | F | adNRM | revised |
| S5-233096 | Correct issues for generic NRM Fragment | Huawei,Nokia | 28.622 | 0219 | 1 | Rel-17 | F | adNRM | agreed |
| S5-232178 | Correct issues for generic NRM Fragment | Huawei | 28.622 | 0220 | - | Rel-18 | A | adNRM | revised |
| S5-233097 | Correct issues for generic NRM Fragment | Huawei,Nokia | 28.622 | 0220 | 1 | Rel-18 | A | adNRM | agreed |
| S5-232179 | Add missing supporting management capabilities for several control NRM Fragments | Huawei | 28.622 | 0221 | - | Rel-17 | F | MADCOL | not pursued |
| S5-232180 | Add missing supporting management capabilities for several control NRM Fragments | Huawei | 28.622 | 0222 | - | Rel-18 | A | MADCOL | not pursued |
| S5-232188 | TS28.622 add missing UML diagram for QoE Measurement Collection | Huawei | 28.622 | 0223 | - | Rel-18 | B | eQoE | revised |
| S5-232996 | TS28.622 add missing UML diagram for QoE Measurement Collection | Huawei | 28.622 | 0223 | 1 | Rel-18 | B | eQoE | agreed |
| S5-232223 | Rel-18 CR 28.622 Add stage 2 solution for LcmProcess IOC | Intel Belgium SA/NV | 28.622 | 0224 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-232313 | Rel-17 CR TS 28.622 Correcting the attribute properties for Excess packet delay threshold attribute | Nokia, Nokia Shangai Bell | 28.622 | 0225 | - | Rel-17 | F | TEI17 | endorsed |
| S5-232386 | Rel-17 CR 28.622 Remove unused create link subscription attribute definition. | Ericsson LM | 28.622 | 0226 | - | Rel-17 | F | MADCOL | revised |
| S5-233104 | Rel-17 CR 28.622 Remove unused create link subscription attribute definition. | Ericsson LM | 28.622 | 0226 | 1 | Rel-17 | F | MADCOL | agreed |
| S5-232387 | Rel-18 CR 28.622 Remove unused create link subscription attribute definition. | Ericsson LM | 28.622 | 0227 | - | Rel-18 | A | MADCOL | revised |
| S5-233105 | Rel-18 CR 28.622 Remove unused create link subscription attribute definition. | Ericsson LM | 28.622 | 0227 | 1 | Rel-18 | A | MADCOL | agreed |
| S5-232388 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | 28.622 | 0228 | - | Rel-16 | F | eNRM | revised |
| S5-233109 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | 28.622 | 0228 | 1 | Rel-16 | F | eNRM | agreed |
| S5-232389 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | 28.622 | 0229 | - | Rel-17 | A | eNRM | revised |
| S5-233110 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | 28.622 | 0229 | 1 | Rel-17 | A | eNRM | agreed |
| S5-232390 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | 28.622 | 0230 | - | Rel-18 | A | eNRM | revised |
| S5-233111 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype. | Ericsson | 28.622 | 0230 | 1 | Rel-18 | A | eNRM | agreed |
| S5-232697 | Correction of reference list | Ericsson | 28.622 | 0231 | - | Rel-16 | F | TEI16 | agreed |
| S5-232698 | Correction of reference list | Ericsson | 28.622 | 0232 | - | Rel-17 | A | TEI16 | agreed |
| S5-232699 | Correction of reference list | Ericsson | 28.622 | 0233 | - | Rel-18 | A | TEI16 | agreed |
| S5-232702 | Rel-11 CR TS 28.622 Correction of attribute dnPrefix | Ericsson India Private Limited | 28.622 | 0234 | - | Rel-11 | F | TEI11 | agreed |
| S5-232703 | Correction of attribute dnPrefix | Ericsson | 28.622 | 0235 | - | Rel-12 | A | TEI11 | agreed |
| S5-232704 | Correction of attribute dnPrefix | Ericsson | 28.622 | 0236 | - | Rel-13 | A | TEI11 | agreed |
| S5-232705 | Correction of attribute dnPrefix | Ericsson | 28.622 | 0237 | - | Rel-14 | A | TEI11 | agreed |
| S5-232706 | Correction of attribute dnPrefix | Ericsson | 28.622 | 0238 | - | Rel-15 | A | TEI11 | agreed |
| S5-232708 | Correction of attribute dnPrefix | Ericsson | 28.622 | 0239 | - | Rel-16 | A | TEI11 | agreed |
| S5-232709 | Correction of attribute dnPrefix | Ericsson | 28.622 | 0240 | - | Rel-17 | A | TEI11 | agreed |
| S5-232710 | Correction of attribute dnPrefix | Ericsson | 28.622 | 0241 | - | Rel-18 | A | TEI11 | revised |
| S5-233132 | Correction of attribute dnPrefix | Ericsson | 28.622 | 0241 | 1 | Rel-18 | A | TEI11 | agreed |
| S5-232713 | Correction of attribute availableRANqoEMetrics properties | Ericsson | 28.622 | 0242 | - | Rel-18 | F | eQoE | agreed |
| S5-232104 | Rel-18 CR TS 28.623 Add stage 3 for abstract IOC Controller\_ | Nokia, Nokia Shanghai Bell | 28.623 | 0201 | 1 | Rel-18 | B | eNETSLICE\_PRO | withdrawn |
| S5-232105 | Add stage 3 for data type AvailabilityStatus | Nokia, Nokia Shanghai Bell | 28.623 | 0214 | 2 | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-232072 | Rel-18 CR 28.623 Add stage 3 solution for LcmProcess IOC | Intel Corporation (UK) Ltd | 28.623 | 0220 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-232129 | TS28.623 Rel-16 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | 28.623 | 0221 | - | Rel-16 | F | TEI16 | revised |
| S5-233093 | TS28.623 Rel-16 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | 28.623 | 0221 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-232130 | TS28.623 Rel-17 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | 28.623 | 0222 | - | Rel-17 | A | TEI16 | revised |
| S5-232461 | TS28.623 Rel-17 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | 28.623 | 0222 | 1 | Rel-17 | A | TEI16 | revised |
| S5-233094 | TS28.623 Rel-17 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | 28.623 | 0222 | 2 | Rel-17 | A | TEI16 | agreed |
| S5-232131 | TS28.623 Rel-18 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | 28.623 | 0223 | - | Rel-18 | A | TEI16 | revised |
| S5-233095 | TS28.623 Rel-18 Fix IpAddr stage 3 definition | Nokia, Nokia Shanghai Bell | 28.623 | 0223 | 1 | Rel-18 | A | TEI16 | agreed |
| S5-232167 | Rel-17 CR TS 28.623 Adding "altitude" to GeoArea datatype - Stage 3 | Nokia, Nokia Shangai Bell | 28.623 | 0224 | - | Rel-17 | F | adNRM | agreed |
| S5-232168 | Rel-17 CR TS 28.623 Correcting the min and max Items possible for fiveQIValue attribute in Stage 3 | Nokia, Nokia Shangai Bell | 28.623 | 0225 | - | Rel-17 | F | TEI17 | endorsed |
| S5-232174 | Rel-18 CR TS 28.623 Adding "altitude" to GeoArea datatype - Stage 3 | Nokia, Nokia Shangai Bell | 28.623 | 0226 | - | Rel-18 | A | adNRM | agreed |
| S5-232196 | Missing Mount information | Ericsson | 28.623 | 0227 | - | Rel-15 | F | TEI15 | agreed |
| S5-232197 | Missing Mount information | Ericsson | 28.623 | 0228 | - | Rel-16 | A | TEI15 | agreed |
| S5-232198 | Missing Mount information | Ericsson | 28.623 | 0229 | - | Rel-17 | A | TEI15 | agreed |
| S5-232199 | Missing Mount information | Ericsson | 28.623 | 0230 | - | Rel-18 | A | TEI15 | agreed |
| S5-232212 | Rel-16 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | 28.623 | 0231 | - | Rel-16 | F | 5GMDT | revised |
| S5-233139 | Rel-16 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | 28.623 | 0231 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-232213 | Rel-17 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | 28.623 | 0232 | - | Rel-17 | A | 5GMDT | revised |
| S5-233140 | Rel-17 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | 28.623 | 0232 | 1 | Rel-17 | A | 5GMDT | agreed |
| S5-232214 | Rel-18 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | 28.623 | 0233 | - | Rel-18 | A | 5GMDT | revised |
| S5-233141 | Rel-18 CR 28.623 Correcting traceRecordingSessionReference property (stage3) | Ericsson LM | 28.623 | 0233 | 1 | Rel-18 | A | 5GMDT | agreed |
| S5-232269 | YANG Corrections | Ericsson Hungary Ltd | 28.623 | 0234 | - | Rel-18 | F | eQoE | revised |
| S5-232772 | YANG Corrections | Ericsson Hungary Ltd | 28.623 | 0234 | 1 | Rel-18 | F | eQoE | agreed |
| S5-232376 | Correct Trace IOC attribute names (stage3, yang) | Ericsson | 28.623 | 0235 | - | Rel-16 | F | 5GMDT | agreed |
| S5-232378 | Rel-17 CR 28.623 Correct Trace IOC attribute names (stage3, yang) | Ericsson LM | 28.623 | 0236 | - | Rel-17 | A | 5GMDT | agreed |
| S5-232379 | Rel-18 CR 28.623 Correct Trace IOC attribute names (stage3, yang) | Ericsson LM | 28.623 | 0237 | - | Rel-18 | A | 5GMDT | agreed |
| S5-232392 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson | 28.623 | 0238 | - | Rel-16 | F | eNRM | revised |
| S5-233112 | Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson | 28.623 | 0238 | 1 | Rel-16 | F | eNRM | agreed |
| S5-232393 | Rel-17 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson LM | 28.623 | 0239 | - | Rel-17 | A | eNRM | revised |
| S5-233113 | Rel-17 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson LM | 28.623 | 0239 | 1 | Rel-17 | A | eNRM | agreed |
| S5-232394 | Rel-18 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson LM | 28.623 | 0240 | - | Rel-18 | A | eNRM | revised |
| S5-233114 | Rel-18 CR 28.623 Clarify reporting and monitoring period usage in SupportedPerfMetricGroup datatype (stage3) | Ericsson LM | 28.623 | 0240 | 1 | Rel-18 | A | eNRM | agreed |
| S5-232684 | Correct YANG for ReportingCtrl | Ericsson Hungary Ltd | 28.623 | 0241 | - | Rel-18 | F | MADCOL | agreed |
| S5-232680 | Rel-17 CR for TS32.130 correct the wrong figure number | ZTE Corporation | 32.130 | 0023 | - | Rel-17 | F | TEI17 | agreed |
| S5-232075 | Deprecate passedById | Ericsson Hungary Ltd | 32.156 | 0049 | - | Rel-17 | F | adNRM | not pursued |
| S5-232076 | Deprecate passedById | Ericsson Hungary Ltd | 32.156 | 0050 | - | Rel-18 | F | OAM\_MetDep | revised |
| S5-233070 | Deprecate passedById | Ericsson Hungary Ltd | 32.156 | 0050 | 1 | Rel-18 | F | OAM\_MetDep | agreed |
| S5-232078 | Clarifying multilevel attribute properties | Ericsson Hungary Ltd | 32.156 | 0051 | - | Rel-17 | F | adNRM | withdrawn |
| S5-232079 | Clarifying multilevel attribute properties | Ericsson Hungary Ltd | 32.156 | 0052 | - | Rel-17 | F | adNRM | revised |
| S5-233071 | Clarifying multilevel attribute properties | Ericsson Hungary Ltd | 32.156 | 0052 | 1 | Rel-17 | F | adNRM | not pursued |
| S5-232080 | Clarifying multilevel attribute properties | Ericsson Hungary Ltd | 32.156 | 0053 | - | Rel-18 | A | adNRM | revised |
| S5-233072 | Clarifying multilevel attribute properties | Ericsson Hungary Ltd | 32.156 | 0053 | 1 | Rel-18 | A | adNRM | not pursued |
| S5-232319 | Rel-16 CR 32.158 Clarify URI concept | Nokia, Nokia Shanghai Bell | 32.158 | 0078 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-233121 | Rel-16 CR 32.158 Clarify URI concept | Nokia, Nokia Shanghai Bell | 32.158 | 0078 | 1 | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-233175 | Rel-16 CR 32.158 Clarify URI concept | Nokia, Nokia Shanghai Bell | 32.158 | 0078 | 2 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232320 | Rel-17 CR 32.158 Clarify URI concept | Nokia, Nokia Shanghai Bell | 32.158 | 0079 | - | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-233122 | Rel-17 CR 32.158 Clarify URI concept | Nokia, Nokia Shanghai Bell | 32.158 | 0079 | 1 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232321 | Rel-16 CR 32.158 Correct media type of 3GPP JSON Patch and 3GPP JSON Merge Patch | Nokia, Nokia Shanghai Bell | 32.158 | 0080 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232322 | Rel-17 CR 32.158 Correct media type of 3GPP JSON Patch and 3GPP JSON Merge Patch | Nokia, Nokia Shanghai Bell | 32.158 | 0081 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232324 | Rel-16 CR 32.158 Align and clarify definitions for the “Accept” header | Nokia, Nokia Shanghai Bell | 32.158 | 0082 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232325 | Rel-17 CR 32.158 Align and clarify definitions for the “Accept” header | Nokia, Nokia Shanghai Bell | 32.158 | 0083 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232326 | Rel-16 CR 32.158 Clarify an object must exist when adding members with JSON Patch | Nokia, Nokia Shanghai Bell | 32.158 | 0084 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-233123 | Rel-16 CR 32.158 Clarify an object must exist when adding members with JSON Patch | Nokia, Nokia Shanghai Bell | 32.158 | 0084 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232327 | Rel-17 CR 32.158 Clarify an object must exist when adding members with JSON Patch | Nokia, Nokia Shanghai Bell | 32.158 | 0085 | - | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-233124 | Rel-17 CR 32.158 Clarify an object must exist when adding members with JSON Patch | Nokia, Nokia Shanghai Bell | 32.158 | 0085 | 1 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232328 | Rel-16 CR 32.158 Correct objectInstance values in examples | Nokia, Nokia Shanghai Bell | 32.158 | 0086 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232329 | Rel-17 CR 32.158 Correct objectInstance values in examples | Nokia, Nokia Shnaghai Bell | 32.158 | 0087 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232330 | Rel-16 CR 32.158 Remove HTTP GET response examples not used in TS 28.532 | Nokia, Nokia Shanghai Bell | 32.158 | 0088 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232331 | Rel-17 CR 32.158 Remove HTTP GET response examples not used in TS 28.532 | Nokia, Nokia Shanghai Bell | 32.158 | 0089 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232332 | Rel-16 CR 32.158 Add missing JSON schema fragment for the JSON Patch document | Nokia, Nokia Shanghai Bell | 32.158 | 0090 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232333 | Rel-17 CR 32.158 Add missing JSON schema fragment for the JSON Patch document | Nokia, Nokia Shanghai Bell | 32.158 | 0091 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232334 | Rel-16 CR 32.158 Correct format of MnS versions in examples | Nokia, Nokia Shanghai Bell | 32.158 | 0092 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232335 | Rel-17 CR 32.158 Correct format of MnS versions in examples | Nokia, Nokia Shanghai Bell | 32.158 | 0093 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232336 | Rel-16 CR 32.158 Correct attribute value null | Nokia, Nokia Shanghai Bell | 32.158 | 0094 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232337 | Rel-17 CR 32.158 Correct attribute value null | Nokia, Nokia Shanghai Bell | 32.158 | 0095 | - | Rel-18 | A | TEI16, REST\_SS | withdrawn |
| S5-232338 | Rel-16 CR 32.158 Clarify the JSON Merge Patch document is a partial resource representation | Nokia, Nokia Shanghai Bell | 32.158 | 0096 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-232339 | Rel-17 CR 32.158 Clarify the JSON Merge Patch document is a partial resource representation | Nokia, Nokia Shanghai Bell | 32.158 | 0097 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232512 | Rel-17 CR 32.158 Correct attribute value null | Nokia, Nokia Shanghai Bell | 32.158 | 0098 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-232077 | Clarifications for lifecycleStatus property | Ericsson Hungary Ltd | 32.160 | 0032 | - | Rel-18 | C | OAM\_MetDep | revised |
| S5-232968 | Clarifications for lifecycleStatus property | Ericsson Hungary Ltd | 32.160 | 0032 | 1 | Rel-18 | C | OAM\_MetDep | agreed |
| S5-232189 | Correction of RFC reference | Ericsson | 32.160 | 0033 | - | Rel-17 | F | TEI17 | agreed |
| S5-232190 | Correction of RFC reference | Ericsson | 32.160 | 0034 | - | Rel-18 | A | TEI17 | agreed |
| S5-232690 | Clarification of Requirements and Use Case template | Ericsson Hungary Ltd | 32.160 | 0035 | - | Rel-18 | F | TEI18 | revised |
| S5-233073 | Clarification of Requirements and Use Case template | Ericsson Hungary Ltd | 32.160 | 0035 | 1 | Rel-18 | F | TEI18 | revised |
| S5-233148 | Clarification of Requirements and Use Case template | Ericsson Hungary Ltd | 32.160 | 0035 | 2 | Rel-18 | F | TEI18 | agreed |
| S5-232233 | Rel-17 CR 32.240 Add Missing Consumer in Charging Architecture | Amdocs Software Systems Ltd | 32.240 | 0453 | - | Rel-17 | F | TEI17 | revised |
| S5-232946 | Rel-17 CR 32.240 Add Missing Consumer in Charging Architecture | Amdocs Software Systems Ltd | 32.240 | 0453 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-232234 | Rel-18 32.240 Add Missing Consumer in Charging Architecture | Amdocs Software Systems Ltd | 32.240 | 0454 | - | Rel-18 | A | TEI17 | revised |
| S5-233023 | Rel-18 32.240 Add Missing Consumer in Charging Architecture | Amdocs Software Systems Ltd | 32.240 | 0454 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-232691 | Rel-17 CR 32.240 Fixing IRP definitions | CATT | 32.240 | 0455 | - | Rel-17 | F | TEI17 | agreed |
| S5-232692 | Rel-18 CR 32.240 Fixing IRP definitions | CATT | 32.240 | 0456 | - | Rel-18 | A | TEI17 | agreed |
| S5-232580 | Rel-18 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | 32.254 | 0023 | 4 | Rel-18 | F | TEI18 | revised |
| S5-232931 | Rel-18 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | 32.254 | 0023 | 5 | Rel-18 | F | TEI18 | agreed |
| S5-232579 | Rel-18 CR 32.254 Correcting supported feature and charging identifier | Ericsson LM | 32.254 | 0029 | - | Rel-18 | F | TEI18 | revised |
| S5-232930 | Rel-18 CR 32.254 Correcting supported feature and charging identifier | Ericsson LM | 32.254 | 0029 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-232506 | Correct the change of PRA for Roaming | Huawei | 32.255 | 0414 | - | Rel-17 | A | TEI16 | agreed |
| S5-232572 | Rel-17 CR 32.255 Correction of UPFId in QBC | Ericsson LM | 32.255 | 0415 | - | Rel-17 | F | TEI17 | revised |
| S5-232924 | Rel-17 CR 32.255 Correction of UPFId in QBC | Ericsson LM | 32.255 | 0415 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-232577 | Rel-17 CR 32.255 Inconsistent use of charging identifier | Ericsson LM | 32.255 | 0416 | - | Rel-17 | F | TEI17 | revised |
| S5-232929 | Rel-17 CR 32.255 Inconsistent use of charging identifier | Ericsson LM | 32.255 | 0416 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-232581 | Rel-18 CR 32.291 Missing operation and identifier in NEF charging information | Ericsson LM | 32.291 | 0391 | 3 | Rel-18 | F | TEI18 | revised |
| S5-232932 | Rel-18 CR 32.291 Missing operation and identifier in NEF charging information | Ericsson LM | 32.291 | 0391 | 4 | Rel-18 | F | TEI18 | agreed |
| S5-232143 | Rel-18 CR 32.291 IMS Charging Diagnostics | Nokia, Nokia Shanghai Bell | 32.291 | 0452 | - | Rel-18 | F | TEI18 | revised |
| S5-233026 | Rel-18 CR 32.291 IMS Charging Diagnostics | Nokia, Nokia Shanghai Bell | 32.291 | 0452 | 1 | Rel-18 | F | TEI18 | not pursued |
| S5-232201 | Rel-18 CR 32.291 UsedUnitContainer and MultipleUnitUsage Description Enhancement | Nokia, Nokia Shanghai Bell | 32.291 | 0453 | - | Rel-18 | F | TEI18 | revised |
| S5-233030 | Rel-18 CR 32.291 UsedUnitContainer and MultipleUnitUsage Description Enhancement | Nokia, Nokia Shanghai Bell | 32.291 | 0453 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-232229 | Rel-17 CR 32.291 Add EAS Deployment Requirements | Amdocs Software Systems Ltd | 32.291 | 0454 | - | Rel-17 | F | TEI17 | revised |
| S5-232919 | Rel-17 CR 32.291 Add EAS Deployment Requirements | Amdocs Software Systems Ltd | 32.291 | 0454 | 1 | Rel-17 | F | EDGE\_CH | agreed |
| S5-232230 | Rel-18 CR 32.291 Add EAS Deployment Requirements | Amdocs Software Systems Ltd | 32.291 | 0455 | - | Rel-18 | A | TEI17 | revised |
| S5-232920 | Rel-18 CR 32.291 Add EAS Deployment Requirements | Amdocs Software Systems Ltd | 32.291 | 0455 | 1 | Rel-18 | A | EDGE\_CH | agreed |
| S5-232507 | Correction on the YAML | Huawei | 32.291 | 0456 | - | Rel-17 | F | TEI17, 5GS\_Ph1-SBI\_CH | revised |
| S5-232921 | Correction on the YAML | Huawei | 32.291 | 0456 | 1 | Rel-17 | F | TEI17, 5GS\_Ph1-SBI\_CH | agreed |
| S5-232508 | Correction on the Yaml | Huawei | 32.291 | 0457 | - | Rel-18 | A | TEI17, 5GS\_Ph1-SBI\_CH | revised |
| S5-232923 | Correction on the Yaml | Huawei | 32.291 | 0457 | 1 | Rel-18 | A | TEI17, 5GS\_Ph1-SBI\_CH | agreed |
| S5-232549 | Rel-18 CR 32.291 Slice-aware charging for Roaming partners | Nokia, Nokia Shanghai Bell | 32.291 | 0458 | - | Rel-18 | F | TEI18 | withdrawn |
| S5-232573 | Rel-17 CR 32.291 Correction of UPFId in QBC | Ericsson LM | 32.291 | 0459 | - | Rel-17 | F | TEI17 | revised |
| S5-232925 | Rel-17 CR 32.291 Correction of UPFId in QBC | Ericsson LM | 32.291 | 0459 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-232574 | Rel-18 CR 32.291 Correction of UPFId in QBC | Ericsson LM | 32.291 | 0460 | - | Rel-18 | A | TEI17 | revised |
| S5-232926 | Rel-18 CR 32.291 Correction of UPFId in QBC | Ericsson LM | 32.291 | 0460 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-232578 | Rel-18 CR 32.291 Correction of quota management indicator | Ericsson LM | 32.291 | 0461 | - | Rel-18 | F | TEI18 | agreed |
| S5-232583 | Rel-18 CR 32.291 Correction of QBC roaming | Ericsson LM | 32.291 | 0462 | - | Rel-18 | F | TEI18 | withdrawn |
| S5-232732 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0463 | - | Rel-17 | F | TEI17, 5GS\_Ph1-SBI\_CH | agreed |
| S5-232733 | Rel-18 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0464 | - | Rel-18 | A | TEI17, 5GS\_Ph1-SBI\_CH | agreed |
| S5-232922 | Rel-18 CR 32.291 Correction on the Yaml for EDGE charging | Huawei | 32.291 | 0465 | - | Rel-18 | A | TEI17 5GS\_Ph1-SBI\_CH | agreed |
| S5-232582 | Rel-18 CR 32.298 Missing operation and identifier in NEF charging information | Ericsson LM | 32.298 | 0896 | 3 | Rel-18 | F | TEI18 | revised |
| S5-232933 | Rel-18 CR 32.298 Missing operation and identifier in NEF charging information | Ericsson LM | 32.298 | 0896 | 4 | Rel-18 | F | TEI18 | agreed |
| S5-232231 | Rel-17 32.298 Add Missing RAT Types in CHF CDRs | Amdocs Software Systems Ltd | 32.298 | 0925 | - | Rel-17 | F | TEI17 | revised |
| S5-233024 | Rel-17 32.298 Add Missing RAT Types in CHF CDRs | Amdocs Software Systems Ltd | 32.298 | 0925 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-232232 | Rel-18 32.298 Add Missing RAT Types in CHF CDRs | Amdocs Software Systems Ltd | 32.298 | 0926 | - | Rel-18 | A | TEI17 | revised |
| S5-233025 | Rel-18 32.298 Add Missing RAT Types in CHF CDRs | Amdocs Software Systems Ltd | 32.298 | 0926 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-232575 | Rel-17 CR 32.298 Correction of UPFId in QBC | Ericsson LM | 32.298 | 0927 | - | Rel-17 | F | TEI17 | revised |
| S5-232927 | Rel-17 CR 32.298 Correction of UPFId in QBC | Ericsson LM | 32.298 | 0927 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-232576 | Rel-18 CR 32.298 Correction of UPFId in QBC | Ericsson LM | 32.298 | 0928 | - | Rel-18 | A | TEI17 | revised |
| S5-232928 | Rel-18 CR 32.298 Correction of UPFId in QBC | Ericsson LM | 32.298 | 0928 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-232169 | Rel17 CR 32.422 Correcting the definition for Excess packet delay threshold | Nokia, Nokia Shanghai Bell | 32.422 | 0407 | - | Rel-17 | F | TEI17 | withdrawn |
| S5-232312 | Rel-17 CR TS 32.422 Correcting the attribute properties for Excess packet delay threshold attribute | Nokia, Nokia Shangai Bell | 32.422 | 0408 | - | Rel-17 | F | TEI17 | agreed |
| S5-232384 | Rel-16 CR 32.422 Clarify behaviour when cell list is undefined | Ericsson LM | 32.422 | 0409 | - | Rel-16 | F | TEI16 | revised |
| S5-233117 | Rel-16 CR 32.422 Clarify behaviour when cell list is undefined | Ericsson LM | 32.422 | 0409 | 1 | Rel-16 | F | 5GMDT | agreed |
| S5-232385 | Rel-17 CR 32.422 Clarify behaviour when cell list is undefined | Ericsson LM | 32.422 | 0410 | - | Rel-17 | A | TEI16 | revised |
| S5-233118 | Rel-17 CR 32.422 Clarify behaviour when cell list is undefined | Ericsson LM | 32.422 | 0410 | 1 | Rel-17 | A | 5GMDT | agreed |
| S5-232398 | Rel-16 CR 32.423 Align trace record formats for different reporting methods | Ericsson LM | 32.423 | 0140 | - | Rel-16 | F | 5GMDT | not pursued |
| S5-232399 | Rel-17 CR 32.423 Align trace record formats for different reporting methods | Ericsson LM | 32.423 | 0141 | - | Rel-17 | A | 5GMDT | not pursued |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S5-232018 |  | NGMN Reply LS to 3GPP SA5 on customer acceptance of limited QoS degradation to save energy in the network | NGMN | replied to | S5-232757 |
| S5-232019 |  | LS out Rel17 Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism | C4-225411 | postponed | (none) |
| S5-232020 |  | LS on Tracking IANA assignment requests | CP-223275 | noted | (none) |
| S5-232021 |  | LS on ENSWI PRD Publication | GSMA | replied to | S5-232768 |
| S5-232022 |  | LS on Autonomous Networks deliverables from ITU FG-AN | ITU FG-AN | noted | (none) |
| S5-232023 |  | Resubmitted LS reply to 3GPP SA2 on shared EHE and HR PDU session with SBO in V-PLMN | GSMA | noted | (none) |
| S5-232024 |  | LS on QoE measurements in RRC IDLE/INACTIVE states | R2-2213054 | replied to | S5-232760 |
| S5-232025 |  | Resubmitted LS on introduction of a new attribute “Only Resource Coordination” to support source coordination between LTE and NR SA | R3-225206 | replied to | S5-233142 |
| S5-232026 |  | Resubmitted LS on NCR Solutions | R3-225253 | postponed | (none) |
| S5-232027 |  | LS on Excess Packet Delay for MDT | R3-226873 | replied to | S5-232150 |
| S5-232028 |  | Reply LS ccSA5 on DN energy efficiency data analytics | S1-223542 | replied to | S5-232764 |
| S5-232029 |  | Resubmitted LS on shared EHE and HR PDU session with SBO in V-PLMN | S2-2209884 | replied to | S5-232734 |
| S5-232030 |  | LS on Performance measurement for AI/ML | S2-2211428 | postponed | (none) |
| S5-232031 |  | LS on secured and trusted access to the serving PLMN OAM server by a MBSR | S2-2301465 | postponed | (none) |
| S5-232032 |  | LS about CHF Logic Realization wrt/ Spending Limits functionality | S2-2301634 | replied to | S5-232735 |
| S5-232033 |  | Reply LS on Network federation interface for Telco edge consideration | S3-223914 | replied to | S5-233146 |
| S5-232034 |  | Resubmitted Reply LS to Study on KQIs for 5G service experience | S4-221120 | noted | (none) |
| S5-232035 |  | Resubmitted Reply LS to SA5 on TS 28.404/TS 28.405 Clarification | S4-221121 | postponed | (none) |
| S5-232036 |  | Reply LS ccSA5 on Rel-18 enhancement of NR QoE | S4-221493 | noted | (none) |
| S5-232037 |  | Reply LS ccSA5 on EAS relocation affinity | S4-221495 | noted | (none) |
| S5-232038 |  | Follow-up LS to SA5 on Study on KQIs for 5G service experience | S4-221496 | noted | (none) |
| S5-232039 |  | Reply LS to RAN3 ccSA5 on RAN visible QoE value | S4-221604 | noted | (none) |
| S5-232040 |  | Resubmitted reply LS on “Reply LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation” | S6-222344 | noted | (none) |
| S5-232041 |  | Reply LS ccSA5 on Network federation interface for Telco edge consideration for a consolidated reply | S6-223553 | noted | (none) |
| S5-232042 |  | Clarification on the deployment of bundle EAS | S6-223587 | replied to | S5-232762 |
| S5-232043 |  | Reply LS ccSA5 on EAS type attribute for EAS discovery | S6-230452 | noted | (none) |
| S5-232044 |  | LS on the initiation of the new work item Y.AN-Arch-fw: ""Architecture Framework for Autonomous Networks"" | SG13-LS37 | noted | (none) |
| S5-232045 |  | LS on the new work item Y.Arch\_NGNe\_ncp ""Architectural evolution of NGN control plane by applying SDN technology"" | ITU-T | postponed | (none) |
| S5-232046 |  | LS on the consent of draft new Recommendation ITU-T Y.3183 (ex. ITU-T Y.ML-IMT2020-VNS): ""Framework for network slicing management assisted by machine learning leveraging QoE feedback from verticals"" | ITU-T | postponed | (none) |
| S5-232047 |  | Reply LS ccSA5 on Network federation interface for Telco edge consideration | SP-221321 | replied to | S5-233147 |
| S5-232048 |  | Resubmitted LS to 3GPP SA5 on UE to application server latency | GSMA | replied to | S5-232759 |
| S5-232049 |  | Resubmitted LS on RAN3 agreements for NR QoE | R3-222890 | postponed | (none) |
| S5-232050 |  | Resubmitted LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541 | O-RAN | postponed | (none) |
| S5-232051 |  | LS/r on RAN visible QoE value (reply to 3GPP-LS8) | ITU-T SG12 | noted | (none) |
| S5-232071 |  | LS on Invitation to the ETSI ISG NFV’s 10 years anniversary | ETSI ISG NFV | noted | (none) |
| S5-232765 |  | Reply LS on controlling number of UEs and PDU sessions for NPN | S2-2303687 | noted | (none) |
| S5-232777 |  | LS on charging aspects for Ranging/Sidelink Positioning | S2-2303231 | postponed | (none) |
| S5-232779 |  | LS on O-RAN - Applicability of TS 32.404 in NR | O-RAN | postponed | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-232150 | Reply LS on Excess Packet Delay Threshold for MDT | 3GPP RAN3 | 3GPP RAN2 | S5-232027 |
| S5-232734 | LS Reply on shared EHE and HR PDU session with SBO in V-PLMN | SA2,GSMA OPG | SA | S5-232029 |
| S5-232735 | Reply LS on CHF Logic Realization wrt/ Spending Limits functionality | 3GPP SA2 | 3GPP CT3 | S5-232032 |
| S5-232757 | Reply LS on customer acceptation of limited QoS degradation to save energy in the network | NGMN GFN, GSMA ENSWI | 3GPP SA | S5-232018 |
| S5-232758 | LS to SA1 on Customer acceptation of QoS degradation to save energy | GSMA ENSWI, 3GPP SA | - | - |
| S5-232759 | LS reply to GSMA OPG on UE to application server latency | GSMA OPG | 3GPP SA, SA6, GSMA ENSWI | S5-232048 |
| S5-232760 | Reply LS on QoE measurements in RRC IDLEINACTIVE states | RAN2,RAN3 | SA2 | S5-232024 |
| S5-232761 | LS on RAN UE Id optionality | RAN3 | - | - |
| S5-232762 | Reply LS S6-223587 Clarification on the deployment of bundle EAS | 3GPP SA6 | 3GPP SA4 | S5-232042 |
| S5-232764 | Reply to: Reply LS ccSA5 on DN energy efficiency data analytics | SA1 | SA6 | S5-232028 |
| S5-232768 | LS to GSMA on E2E Network Slicing Requirements | GSMA NG ENSWI | - | S5-232021 |
| S5-232770 | LS on need for modeling isInvariant and SystemCreated in YANG | IETF Netmod WG | - | - |
| S5-232774 | LS on the provisioning services specified in SA5 | SA2 | - |  |
| S5-232903 | LS on 3GPP work on Energy Efficiency | SA, RAN, CT | SA1, SA2, SA3, SA4, SA6, RAN1, RAN2, RAN3, RAN4, CT1, CT3, CT4 | - |
| S5-232997 | LS on Approval of eQoE CRs for NR | RAN2, RAN3, SA4, CT1, CT4 | - | - |
| S5-233142 | Reply LS on introduction of a new attribute “Only Resource Coordination” to support source coordination between LTE and NR SA | RAN3 | - | S5-232025 |
| S5-233146 | Reply to: Reply LS on Network federation interface for Telco edge consideration | 3GPP SA3, 3GPP SA6 | 3GPP SA2, 3GPP SA | S5-232033 |
| S5-233147 | Reply to: Reply LS ccSA5 on Network federation interface for Telco edge consideration | SA | - | S5-232047 |

## Annex D: List of agreed/approved new and revised Work Items

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S5-232738 | Rescoping of New Study on Structure of Charging for Verticals | VODAFONE Group Plc | SID revised |
| S5-232879 | Update SID on enhancement of management of NPN | Huawei | SID revised |
| S5-232737 | New WID on Charging Aspects for Enhanced Support of Non-Public Networks | China Mobile | WID new |
| S5-232739 | New WID on CHF Distributed Availability | Nokia, Nokia Shanghai Bell | WID new |
| S5-232767 | New Rel-18 WID on Intent driven Management Service for mobile network phase 2 | Huawei | WID new |
| S5-232773 | New Rel-18 WID on Enhancement of the Management Aspects related to NWDAF | Chinatelecom Cloud | WID new |
| S5-232800 | New WID on Charging Aspects for NSSAA of Network Slicing Phase 2 | MATRIXX Software | WID new |
| S5-232809 | New WID on Management Aspects of NTN | China Unicom,CATT | WID new |
| S5-232811 | New WID on enhanced management of non-public networks | Huawei | WID new |
| S5-233144 | new WID on Enhancement of service based management architecture | Huawei,Ericsson, Nokia | WID new |
| S5-233145 | New WID on Management Aspect of 5GLAN | China Mobile Com. Corporation | WID new |
| S5-232736 | Revision of SP-221159 WID on Charging Aspects of Network Slicing Phase 2 | MATRIXX Software | WID revised |
| S5-233143 | Revised WID on enhancements of 5G performance measurements and KPIs phase 2 | Intel Belgium SA/NV | WID revised |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S5-232092 | 28.203 | 0.0.0 | Rel-18 TS 28.203 v0.0.0 Initial skeleton |
| S5-232095 | 28.840 | 0.0.0 | Rel-18 TR 28.840 Initial skeleton (v0.0.0) |
| S5-232514 | 28.844 | 0.0.0 | 3GPP TR 28.844-000 initial skeleton |
| S5-232722 | 28.203 | 0.1.0 | Draft TS 28.203 |
| S5-232723 | 32.847 | 1.7.0 | Draft TR 32.847 |
| S5-232724 | 28.826 | 1.3.0 | Draft TR 28.826 |
| S5-232725 | 28.827 | 1.7.0 | Draft TR 28.827 |
| S5-232726 | 28.828 | 1.3.0 | Draft TR 28.828 |
| S5-232727 | 28.839 | 0.5.0 | draft TR 28.839 |
| S5-232728 | 28.840 | 0.1.0 | Draft TR 28.840 |
| S5-232729 | 28.843 | 0.1.0 | Draft TR 28.843 |
| S5-232730 | 28.844 | 0.1.0 | Draft TR 28.844 |
| S5-232785 | 28.912 | 1.2.0 | Draft TR 28.912 |
| S5-232839 | 28.844 | 0.0.0 | 3GPP TR 28.844-000 initial skeleton |
| S5-232853 | 28.829 | 0.6.0 | Draft TR 28.829 |
| S5-232880 | 28.907 | 1.2.0 | Draft TR 28.907 |
| S5-232891 | 28.925 | 0.10.0 | Draft TR 28.925 |
| S5-232892 | 28.833 | 0.6.0 | Draft TR 28.833 |
| S5-232899 | 28.841 | 0.4.0 | Draft TR 28.841 |
| S5-232906 | 28.317 | 0.3.0 | Draft TS 28.317 |
| S5-232965 | 28.834 | 0.5.0 | Draft TR 28.834 |
| S5-232972 | 28.835 | 0.6.0 | Draft TR 28.835 |
| S5-232977 | 28.837 | 0.6.0 | Draft TR 28.837 |
| S5-232998 | 28.864 | 0.6.0 | Draft TR 28.864 |
| S5-233032 | 28.832 | 0.5.0 | Draft TR 28.832 |
| S5-233161 | 28.830 | 0.4.0 | Draft TR 28.830 |
| S5-233162 | 28.831 | 0.6.0 | Draft TR 28.831 |
| S5-233163 | 28.909 | 0.2.0 | Draft TR 28.909 |
| S5-233164 | 28.824 | 0.11.0 | Draft TR 28.824 |
| S5-233165 | 28.910 | 0.4.0 | Draft TR 28.910 |
| S5-233166 | 28.836 | 0.4.0 | Draft TR 28.836 |
| S5-233167 | 28.908 | 1.1.0 | Draft TR 28.908 |
| S5-233168 | 28.842 | 0.2.0 | Draft TR 28.842 |
| S5-233169 | 28.913 | 0.5.0 | Draft TR 28.913 |
| S5-233170 | 28.863 | 0.5.0 | Draft TR 28.863 |
| S5-233171 | 28.865 | 0.4.0 | Draft TR 28.865 |
| S5-233172 | 28.824 | 0.11.0 | Draft TR 28.824 |
| S5-233173 | 28.903 | 0.5.0 | Draft TR 28.903 |

## Annex F: List of participants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented |
| Mr. | Amogh | Niranth | Huawei Telecommunication India | Huawei Technologies R&D UK |
| Mr. | Andrianov | Anatoly | Nokia Germany | Nokia Belgium |
| Mrs. | Ayani | Zhulia | Ericsson LM | Ericsson India Private Limited |
| Mr. | BASAIER | JIALADE | China Unicom | VSENS |
| Mr. | Baskaran | Dhivagar | CEWiT | CEWiT |
| Mr. | Bizzarri | Simone | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI |
| Mr. | Cao | Gen | China Unicom | China Unicom |
| Dr. | Cao | Xi | China Mobile Com. Corporation | China Mobile International Ltd |
| Dr. | Cetinkaya | Egemen | Verizon UK Ltd | Verizon Denmark |
| Dr. | Chatterjee | Debdeep | Intel Corporation (UK) Ltd | Intel Sweden AB |
| Dr. | Chaudhari | Amar | IIIT Delhi | IIT Delhi |
| Miss | CHEN | SHAN | Huawei Tech.(UK) Co.. Ltd | HiSilicon Technologies Co. Ltd |
| Miss | Chen | Xiumin | China Telecommunications | China Telecom Corporation Ltd. |
| Mrs. | Chen | Xu | China Mobile Com. Corporation | China Mobile E-Commerce Co. |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | Intel Belgium SA/NV |
| Mr. | Chuangxin | Jiang | ZTE Corporation | ShenZhen Zhongxing Shitong |
| Dr. | CORNILY | Jean-Michel | Huawei Technologies France | Huawei Technologies France |
| Mr. | Dawes | Peter | VODAFONE Group Plc | Vodafone GmbH |
| Ms. | Duan | Xiaoyan | CATT | CATT |
| Miss | Eitoku | Haruka | NTT corporation | NTT |
| Mr. | Fernandes | Clifton | Nokia UK | Nokia UK |
| Mr. | Gadhai | Shyam Vijay | IIT Kanpur | IIT Kanpur |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | Samsung R&D Institute UK |
| Ms. | Gong | Ruby | Beijing Xiaomi Mobile Software | Xiaomi Technology |
| Mr. | Görmer | Gerald | MATRIXX Software | MATRIXX Software |
| Mr. | Groenendijk | Jan | Ericsson LM | Ericsson LM |
| Mr. | Guo | Shengxiang | Beijing Xiaomi Mobile Software | Xiaomi Communications |
| Mr. | Guo | Yi | Intel Corporation (UK) Ltd | Intel Corporation Italia SpA |
| Mr. | Gupta | Varini | Samsung R&D Institute India | Samsung R&D Institute India |
| Mr. | Guttman | Erik | Samsung R&D Institute UK | Samsung Research America |
| Dr. | Han | Jaemin | Intel Technology India Pvt Ltd | Intel Finland Oy |
| Dr. | Harris | Paul | VIAVI Solutions | VIAVI Solutions |
| Mr. | Hassett | Brendan | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Sweden AB |
| Mr. | Hatanaka | Yoshitaka | NTT DOCOMO INC. | NTT DOCOMO INC. |
| Miss | Hu | Yushuang | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Huang | Zhenning | China Mobile Com. Corporation | China Mobile Group Device Co. |
| Mr. | Inoue | Yoshihiro | NTT | NTT Advanced Technology Corpor |
| Mr. | Jang | Jaehyuk | Samsung Electronics Co., Ltd | Samsung Electronics Austria |
| Mr. | JIANG | XIAOWEI | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Mr. | Ju | Manchang | ZTE Corporation | Sanechips |
| Dr. | Jung | Byounghoon | Samsung R&D Institute UK | Samsung Nanjing |
| Ms. | Kang | HyunJeong | Samsung R&D Institute UK | Samsung Shenzhen |
| Mr. | Kapale | Kiran | Samsung R&D Institute India | Harman GmbH |
| Mr. | Kaushik | Ashutosh | Samsung R&D Institute UK | BEIJING SAMSUNG TELECOM R&D |
| Dr. | Kim | Hyesung | Samsung R&D Institute UK | Samsung Electronics Iberia SA |
| Mr. | Klotz | Michael | Deutsche Telekom AG | Telekom Deutschland GmbH |
| Mr. | KOTTURI BHASKARA SUBRAHMANYA M | D SAI PRASANTH | Indian Institute of Tech (M) | Indian Institute of Tech (M) |
| Mr. | Kulakov | Alexey | VODAFONE Group Plc | Vodafone Telekomünikasyon A.S. |
| Mr. | Kuroiwa | Fumito | NTT DOCOMO INC. | NTT DOCOMO INC. |
| Dr. | Lee | Daewon | Intel | Intel Technology Poland SP Zoo |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | Ericsson Hungary Ltd |
| Ms. | Li | Chenyi | China Unicom | Unicompay |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Nanjing Ericsson Panda Com Ltd |
| Mrs. | Li | Jianxiang | CATT | Datang Linktester Technology |
| Ms. | Li | Lisi | Beijing Xiaomi Mobile Software | Beijing Xiaomi Software Tech |
| Miss | Li | Mengzhen | ZTE Corporation | ZTE Photonics |
| Miss | Li | Mingxue | China Telecommunications | CTSI |
| Dr. | Li | Ruyue Yu-Ngok | ZTE Corporation. | ZTE Wistron Telecom AB |
| Mr. | Li | Shitao | Huawei Tech.(UK) Co.. Ltd | HUAWEI TECH. GmbH |
| Mr. | Li | Zhijun | ZTE Corporation | ZTE Corporation |
| Miss | Liang | Shuang | Nubia Technology Co.,Ltd | ZONSON |
| Mr. | Libunao | Gerardo | Verizon UK Ltd | Verizon UK Ltd |
| Mr. | Lim | Seau Sian | Intel K.K. | Intel K.K. |
| Ms. | Liu | Aijuan | CATT | GOHIGH DATA NETWORKS TECH. |
| Mr. | Liu | Liu | China Telecom Corporation Ltd. | Chinatelecom Cloud |
| Miss | Liu | Tangqing | China Mobile Research Inst. | China Mobile (Hangzhou) Inf. |
| Mr. | Liu | Yue | China Mobile Com. Corporation | China Mobile (Suzhou) Software |
| Mr. | Luetzenkirchen | Thomas | Intel Deutschland GmbH | Intel |
| Ms. | Ma | Hui | Intel | Intel Ireland |
| Mr. | Ma | Ruitao | China Unicom | CU Digital Technology |
| Miss | Ma | Wanming | China Mobile International Ltd | China Mobile International Ltd |
| Mr. | MAO | Yuxin | Beijing Xiaomi Mobile Software | Xiaomi EV Technology |
| Miss | Martinez Tarradell | Marta | Intel | Intel Deutschland GmbH |
| Mr. | Martins | Diogo | VODAFONE Group Plc | Vodafone Italia SpA |
| Mr. | McDonnell | Eoin | Ericsson LM | Ericsson Telecomunicazioni SpA |
| Dr. | Mondal | Bishwarup | Intel Technology India Pvt Ltd | Intel Romania |
| Dr. | Mukherjee | Soumava | IIT JODHPUR | IIT JODHPUR |
| Dr. | Mustapha | Mona | Apple France | Apple France |
| Dr. | Mwanje | Stephen | Nokia | Nokia |
| Mr. | NAKAMURA | Kazuo | NICT | NICT |
| Mr. | Natarajan | Rajesh Babu | Nokia Germany | Nokia Hungary |
| Ms. | Niu | Yuxia | China Telecom Corporation Ltd. | Chinatelecom Cloud |
| Mr. | Oettl | Martin | Nokia Germany | Nokia Austria |
| Mr. | Ordonez-Lucena | Jose | TELEFONICA S.A. | TELEFONICA S.A. |
| Dr. | Palat | Sudeep | Intel Corporation (UK) Ltd | Intel Corporation SAS |
| Dr. | Papageorgiou | Apostolos | Nokia Germany | Nokia Korea |
| Mr. | Petersen | Robert | Ericsson LM | Ericsson GmbH, Eurolab |
| Dr. | Pollakowski | Olaf | Nokia Germany | Nokia Italy |
| Mr. | Pozo | Sergio | VODAFONE Group Plc | VODAFONE Group Plc |
| Mr. | Preciado Rojas | Diego | Nokia Germany | Nokia Netherlands |
| Mr. | Probasco | Scott | Nokia | Nokia Poland |
| Mr. | Qi | Tongya | ZEKU | ZEKU |
| Mr. | Ramamoorthy | Arunprasath | Samsung R&D Institute India | Samsung Electronics Romania |
| Mr. | Ren | Chi | China Unicom | CITC |
| Mr. | Rodrigues | Joao | Nokia | Nokia Denmark |
| Mr. | Ruan | Bangqiu | ZTE Corporation | ZXNE |
| Ms. | Ryu | Jinsook | Dish Network | Dish Network |
| Dr. | Sadeghi | Bahar | Microsoft Europe SARL | Microsoft Europe SARL |
| Dr. | Salkintzis | Apostolis | Motorola Mobility UK Ltd. | Motorola Mobility UK Ltd. |
| Mr. | SATTIANARAYANIN | JEEVA KESHAV | Indian Institute of Tech (M) | Indian Institute of Tech (M) |
| Mr. | Schumacher | Gregory | Peraton Labs | Peraton Labs |
| Mr. | Scott | Mark | Ericsson LM | Ericsson Inc. |
| Dr. | Sengupta | Avik | Intel Technology India Pvt Ltd | Intel Korea, Ltd. |
| Mr. | Shah | Sapan | Samsung R&D Institute India | Samsung Electronics Benelux BV |
| Dr. | Shailendra | Samar | Intel Technology India Pvt Ltd | Intel China Ltd. |
| Mr. | Shao | Weixiang | ZTE Corporation | ZTE Corporation. |
| Mrs. | Shi | xiaoli | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Tech.(UK) Co.. Ltd |
| Ms. | Shi | Xiaonan | China Mobile Com. Corporation | CMDI |
| Mr. | Shu | Min | CATT | CATT |
| Mr. | Singh | Rohit | Indian Institute of Tech (M) | Indian Institute of Tech (M) |
| Mr. | SINHA | UTSAV | Samsung R&D Institute India | Samsung Guangzhou Mobile R&D |
| Mr. | Smith | David K. | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Miss | Srinivasaraju | Srilakshmi | Nokia Corporation | Nokia Corporation |
| Dr. | Suh | Kyungjoo Grace | Samsung R&D Institute UK | SAMSUNG R&D INSTITUTE JAPAN |
| Mr. | Sumita | Masa | HUAWEI Technologies Japan K.K. | Huawei Technologies R&D UK |
| Mr. | SUN | Jiancheng | CATT | Fiberhome Technologies Group |
| Mr. | Sun | Mingrui | China Unicom | China Unicom |
| Mr. | Sun | Sean | Nokia Shanghai Bell | Nokia Shanghai Bell |
| Miss | Sun | Yue | China Telecommunications | China Telecomunication Corp. |
| Mr. | Suzuki | Yuji | NTT DOCOMO INC. | DOCOMO Beijing Labs |
| Mr. | Swaminathan | Sivaramakrishnan | Nokia Germany | Nokia Japan |
| Mr. | Tangudu | Narendranath Durga | Samsung R&D Institute India | Samsung Electronics Co., Ltd |
| Miss | Tian | Zhuoyuan | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI TECHNOLOGIES Co. Ltd. |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson España S.A. |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM |
| Mr. | Wang | Baixiao | CATT | CICT |
| Miss | Wang | Menghan | ZTE Corporation | Nubia Technology Co.,Ltd |
| Ms. | WANG | RONG | China Mobile Com. Corporation | China Mobile M2M Company Ltd. |
| Dr. | Wang | Zhaoning | China Unicom | CUG |
| Ms. | WEI | QUN | China Unicom | BTPDI |
| Dr. | Wu | Yumin | Xiaomi Communications | Beijing Xiaomi Electronics |
| Mr. | Xie | Baoguo | ZTE Corporation | Jetflow |
| Mr. | Xiong | Chunshan | CICT | CICT |
| Mr. | Xiong | Gang | Intel Deutschland GmbH | Intel Technology India Pvt Ltd |
| Mr. | Xu | Hao | CATT | Datang Mobile Com. Equipment |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co.. Ltd | Huawei Device Co., Ltd |
| Miss | Yan | Chen | Pengcheng laboratory | Pengcheng laboratory |
| Miss | Yan | Xiaojian | ZTE Corporation | CALTTA |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel Corporation (UK) Ltd |
| Ms. | Yi | Haofan | BJTU | BJTU |
| Mr. | Zhang | Jian | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Japan K.K. |
| Mr. | Zhang | Kai | Huawei Tech.(UK) Co.. Ltd | Huawei Telecommunication India |
| Miss | ZHAO | HUAN | China Unicom | Unicom Broadband Online |
| Dr. | Zhao | Qun | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Mr. | Zhao | Song | China Telecom Corporation Ltd. | China Telecommunications |
| Miss | Zhao | Xian | Huawei Technologies France | HUAWEI Technologies Japan K.K. |
| Miss | Zhou | Xingyue | ZTE Corporation | ZTE FRANCE SASU |
| Mr. | Zhu | Jinguo | ZTE Corporation. | ZTE Korea Limited |
| Mr. | Zhu | Lei | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies (Korea) |
| Ms. | Zou | Lan | Huawei Tech.(UK) Co.. Ltd | HuaWei Technologies Co., Ltd |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#149 | 2023-05-22 | 2023-05-26 | Berlin | GR | S5-149 |
| SA5#150 | 2023-08-21 | 2023-08-25 | Goteborg | SWE | S5-150 |
| SA5#151 | 2023-10-09 | 2023-10-13 | Xiamen | CH | S5-151 |
| SA5#152 | 2023-11-13 | 2023-11-17 | Chicago | US | S5-152 |
| SA5#153 | 2024-01-29 | 2024-02-02 | TBD |  | S5-153 |
| SA5#154 | 2024-04-15 | 2024-04-19 | CHI | CN | S5-154 |
| SA5#155 | 2024-05-27 | 2024-05-31 | Korea | KR | S5-155 |
| SA5#156 | 2024-08-19 | 2024-08-23 | EU | EU | S5-156 |
| SA5#157 | 2024-10-14 | 2024-10-18 | India | IN | S5-157 |
| SA5#158 | 2024-11-18 | 2024-11-22 | US TBC | US | S5-158 |