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

**DRAFT Meeting Report  
for  
TSG SA WG5  
meeting: 146**

**Toulouse, France, 14/11/2022 to 18/11/2022**

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## 1 Opening of the meeting

SA5 Chair Thomas Tovinger (Ericsson) opened SA5 meeting #146 on 14.11.2022 at 9:00 CET.

Jean-Michel Cornily (Huawei) welcomed delegates to Toulouse, France on behalf of the European (EF3) and North American Friends of 3GPP (NAF3)

and he explained the organisational aspects of the meeting.

A short welcome video from Bertrand Serp (Vice President for Digital Transition Toulouse Métropole) was presented as well.

## 2 Approval of the agenda

**S5-226000 Agenda**

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

**Abstract:**

compare also S5-226004 for OAM and S5-226007 for CH

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

## 3 IPR and legal declaration

IPR:

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.

Antitrust:

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.

Fair network usage:

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

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

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

**S5-226647 IPR and legal declaration**

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

**Abstract:**

late Tdoc

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

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-226001 Report from last SA5 meeting**

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

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

### 4.2 Last SA meeting report

### 4.3 Inter-organizational reports

## 5 Cross-SWG issues

### 5.1 Administrative issues at SA5 level

**S5-226002 Post meeting email approval status**

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

**Discussion:**

SA5 Chair: Tdoc will be provided after SA5 #146 and it will then be noted

**Decision:** The document was **email discussion**.

**S5-226009 SA5 working procedures**

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

**Discussion:**

SA5 Chair: no new document, is just merging things from last meeting

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

**S5-226013 Process for management of draft TS-TRs**

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

**Discussion:**

SA5 Chair: no update, can be noted

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

**S5-226142 Using Forge for SA5**

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

**Abstract:**

As per request, a working guide with screenshots and tips for Forge usage in SA5 is created.

**Discussion:**

Nokia: is just for information

SA5 VC (Matrixx): is presenting FORGE procedure for OAM, CH will have to be included later

Nokia: document can be updated at a later stage

SA5 conducted a Pilot experiment during the SA5#146 meeting. Three pilot change requests (S5-226063, S5-226094, S5-226780) were submitted and reviewed in a simplified format. The changed YANG and YAML code parts were not documented in the pilot-CRs body only in the 3GPP Forge. The relevant Forge parts with HTTP links were document on the pilot-CRs cover page. After the SA5 meeting the agreed pilot-CRs were revised into the usual CR format for the SA plenary review.

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

### 5.2 Technical issues at SA5 level

### 5.3 Liaison statements at SA5 level

**S5-226015 LS 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: GSMA*

**Discussion:**

see draft reply LS in S5-226457

**Decision:** The document was **replied to in S5-227038**.

**S5-226457 [Draft] Reply LS to S5-226015 on customer acceptance of limited QoS degradation to save energy in the network (to: GSMA NG ENSWI; cc: NGMN GFN, SA; contact: Huawei)**

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

**Discussion:**

Ericsson: has some comments

**Decision:** The document was **revised to S5-227038**.

**S5-227038 Reply LS to GSMA LS S5-226015 on customer acceptance of limited QoS degradation to save energy in the network (to: GSMA NG ENSWI; cc: NGMN GFN, SA; contact: Huawei)**

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

(Replaces S5-226457)

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

**S5-226016 LS on East/West Bound Interface for Telco Edge consideration**

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

**Discussion:**

see LSout S5-226729

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

**S5-226017 LS on Network federation interface for Telco edge consideration**

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

**Discussion:**

see LSout S5-226729

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

**S5-226525 Reply LS to S5-226016 and S5-226017 on EastWest bound interface telco edge consideration (to: GSMA OPG; cc: SA, ETSI MEC ISG; contact: Samsung)**

*Type: LS out For: Approval  
 to GSMA OPG, cc SA, ETSI MEC ISG  
 Source: Samsung R&D Institute India*

**Discussion:**

Samsung: will be also a reply to S5-226030

SA5 Chair: ok, can be shown in the revision

Intel: S5-226525 seems to be a reply to GSMA already although SA6 wanted to send a coordinated reply

SA5 Chair (Matrixx): was a request from SA to have a consolidated reply

Ericsson: this topic needs a more thorough discussion, have not seen anything new that is not yet coveredd GST\_NFST and exposure study

Huawei: also S5-226028 is related

**Decision:** The document was **revised to S5-226729**.

**S5-226729 Reply LS to S6-222543 = S5-226028 on Network federation interface for Telco edge consideration and proposals to answer GSMA LSs S5-226016 and S5-226017 from SA (to: SA, SA6; cc: SA2; contact: Samsung)**

*Type: LS out For: Approval  
 to SA, cc SA6  
 Source: Samsung R&D Institute India*

(Replaces S5-226525)

**Discussion:**

to: and cc: of this LS changed to "to: SA; cc: SA6" after discussion about S5-226520;

Samsung: for S5-226016 and S5-226017 we make a proposal to GSMA and SA will send out an LS to GSMA

Intel: remove "as part of Rel-18 WI eECM"

**Decision:** The document was **revised to S5-227039**.

**S5-227039 Reply LS to S6-222543 = S5-226028 on Network federation interface for Telco edge consideration and proposals to answer GSMA LSs S5-226016 and S5-226017 from SA (to: SA, SA6; cc: SA2; contact: Samsung)**

*Type: LS out For: Approval  
 to SA, SA6, cc SA2,SA3  
 Source: Samsung R&D Institute India*

(Replaces S5-226729)

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

**S5-226018 LS on Network integration interface for Telco edge consideration**

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

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

**S5-226028 Forward on S6-222332, LS on Network federation interface for Telco edge consideration**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-222543*

**Discussion:**

see draft LS in S5-226729

**Decision:** The document was **replied to in S5-227039**.

**S5-226030 Reply LS ccSA5 to Network federation interface for Telco edge consideration**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-222557*

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

**S5-226026 Reply LS ccSA5 to OPAG\_34\_Doc\_07\_OPAG\_LS ETSI-3GPP-Network integration**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-222337*

**Discussion:**

SA5 in CC

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

**S5-226019 Resubmitted LS to 3GPP SA5 on UE to application server latency**

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

**Discussion:**

GSMA OPG wants to understand if there are any existing mechanisms or KPIs that can be used to measure UE-to-Application Server latency - and we are currently discussing this

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

**S5-226029 Reply LS cc SA5 on UE to application server latency**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-222556*

**Discussion:**

SA5 in cc

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

**S5-226072 Ls ccSA5 on 5G capabilities exposure for factories of the future – identified gaps**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: 5G-ACIA*

**Discussion:**

SA5 in cc

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

### 5.4 SA5 meeting calendar

**S5-226014 SA5 meeting calendar**

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

**Discussion:**

SA5 Chair: there is a meeting on Wed with Meeting Decision Group; Jan. agenda will be discussed by email

**Decision:** The document was **revised to S5-226965**.

**S5-226965 SA5 meeting calendar**

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

(Replaces S5-226014)

**Discussion:**

Nokia: is the ad hoc confirmed? people were not in favour of having it

SA5 Chair: we agreed to have the ad hoc but the agenda can still be discussed

Ericsson: this meeting will end up with a lot of Tdocs that are not (yet) agreed because people had not enough time to review them, so we should look at these Tdocs

SA5 Chair: ad hoc can have decision power

Nokia: there will not be much time to prepare for a Jan. 23 ad hoc

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

## 6 OAM&P

OAM&P = Operations, Administration, Maintenance and Provisioning;

Section 6.1 to 6.7 was chaired by SA5 Chair Thomas Tovinger (Ericsson);

sections 6.8 to 6.9 was chaired by SA5 VC Lan Zou (Huawei);

6.4-6.6 cover REL-18 WIs; 6.7-6.9 cover REL-18 SIs;

6.10 was originally planned for TR/TS versions for email agreement, however 6.10 is not needed as these TR/TS versions will be allocated under the agenda items to which they belong.

### 6.1 OAM&P Plenary

**S5-226003 OAM&P action list**

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

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

**S5-226004 OAM Exec Report**

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

**Discussion:**

provided afterwards

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

**S5-226005 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

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

**Abstract:**

late Tdoc; note: titles were swapped with S5-226004

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

**S5-226006 OAM Chair notes**

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

**Discussion:**

provided afterwards

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

**S5-226010 Collection of useful endorsed document and external communication documents**

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

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

**S5-226011 Collection of Rel-18 3GPP SA5 OAM WoP**

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

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

**S5-226012 Living document for stage 2-3 alignment**

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

**Abstract:**

late Tdoc

**Decision:** The document was **email approval**.

**S5-226377 Rel-18&Rel-19 time plan proposal for OAM**

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

(Replaces S5-221173)

**Abstract:**

late Tdoc

**Discussion:**

Intel: worried that we cannot see SA5 in SA feature/REL planning; SA5 has stage 1/2/3 aspects

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

**S5-226648 Time Plan for OAM&P sessions**

*Type: other For: Information  
 Source: SA5 Chair (Ericsson)*

**Abstract:**

late Tdoc

**Discussion:**

noted unseen, is for information

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

**S5-226649 F2F meeting process for OAM**

*Type: other For: Information  
 Source: SA5 Chair (Ericsson)*

**Abstract:**

late Tdoc

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

**S5-226020 Resubmitted LS on M6 Delay Threshold**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-224079*

**Discussion:**

see draft reply LSs in S5-226366 and S5-226622

**Decision:** The document was **replied to in S5-227040**.

**S5-226366 Reply LS to R3-224079 = S5-226020 on M6 Delay Threshold (to: RAN3; cc: RAN2; contact: Huawei)**

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

**Abstract:**

moved from AI 5.3 to AI 6.1; related to S5-226367/6368/6369

**Discussion:**

Ericsson: LS from RAN3 was REL-17, Huawei did REL-17 CRs but they are not corrections, so do we need to do the changes rather in REL-18?

conclusion: merged with S5-226622 in S56731

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

**S5-226622 Reply LS to R3-224079 = S5-224326 on M6 Delay Threshold (to: RAN3, RAN2; cc: -; contact: Ericsson)**

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

**Abstract:**

R3-224079 was an LSout of RAN3 #116e (May 22) received at SA5 #144e (June 22); moved from AI 6.5.4.2 to AI 6.1; related to S5-226621

**Discussion:**

MCC: R3-224069 was only a draft LS in RAN3, so this is a reply to R3-224079

**Decision:** The document was **revised to S5-226731**.

**S5-226731 Reply LS to R3-224079 = S5-224326 on M6 Delay Threshold (to: RAN3, RAN2; cc: -; contact: Ericsson)**

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

(Replaces S5-226622)

**Abstract:**

is a merge of S5-226622 and S5-226366

**Discussion:**

MCC: has revision marks

**Decision:** The document was **revised to S5-227040**.

**S5-227040 Reply LS to R3-224079 = S5-224326 on M6 Delay Threshold (to: RAN3, RAN2; cc: -; contact: Ericsson)**

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

(Replaces S5-226731)

**Discussion:**

attachments S5-226804 and S5-226805 (see AI 6.3.13) are under email agreement

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

**S5-226021 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*

**Discussion:**

RAN3 asks SA5 to introduce in their specification a new attribute in the NCRT as per description above, and to provide feedback to RAN3, if any

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

**S5-226022 Reply LS ccSA5 on the user consent for trace reporting**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-225250*

**Discussion:**

RAN3 asked question to SA3, SA5 is in cc

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

**S5-226023 LS on NCR Solutions**

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

**Discussion:**

RAN3 asks: For solution 1 and solution 2, does SA5 foresee any issue with the requirements on the OAM?

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

**S5-226078 Reply LS ccSA5 on NCR Solutions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S3-223080*

**Discussion:**

SA5 in cc

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

**S5-226032 Resubmitted LS on RAN3 agreements for NR QoE**

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

**Discussion:**

SA5 Chair: LS from RAN3 with several bullets of information to SA5 to consider, was created in Feb/March 2022 and resubmitted several times, nobody proposed a reply so far

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

**S5-226034 Reply LS on beam measurement reports**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-225273*

**Discussion:**

SA5 Chair: is just for our information; RAN3 informed that they have taken SA5’s LS into account

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

**S5-226073 LS ccSA5 on user consent of Non-public Network**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-226006*

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

**S5-226191 LS on handover failures related to MRO for inter-system mobility (to: RAN3; cc: RAN2' contact: Nokia)**

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

**Decision:** The document was **revised to S5-226732**.

**S5-226732 LS on handover failures related to MRO for inter-system mobility (to: RAN3; cc: RAN2' contact: Nokia)**

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

(Replaces S5-226191)

**Decision:** The document was **revised to S5-227042**.

**S5-227042 LS on handover failures related to MRO for inter-system mobility (to: RAN3; cc: RAN2; contact: Nokia)**

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

(Replaces S5-226732)

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

**S5-226024 Reply LS to Study on KQIs for 5G service experience**

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

**Discussion:**

SA5 Chair: no action for SA5 (SA4 provided answer to all SA5’s questions and asked no new questions)

Ericsson: we have not fulfilled what they asked for, with the Tdocs of this meeting we could reply what we have done and we have fulfilled all they asked

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

**S5-226025 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*

**Discussion:**

SA5 Chair: related to QOI (SA4 provided answer to all SA5’s questions and asked no new questions)

Ericsson: yes

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

**S5-226027 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*

**Discussion:**

SA6 invites SA5 to provide feedback on their solution for EES to trigger/request EAS instantiation during the normative work

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

**S5-226076 LS on possibility of providing per UE speed and orientation on FS\_eNA\_Ph3**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2209656*

**Decision:** The document was **replied to in S5-226547**.

**S5-226547 Reply LS to S2-2209656 = S5-226076 on possibility of providing per UE speed and orientation on FS\_eNA\_Ph3 (to: SA2; cc: SA; contact: Samsung)**

*Type: LS out For: Approval  
 to SA2, cc SA  
 Source: SA5*

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

**S5-226086 LS ccSA5 on related EAS**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-223029*

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

**S5-226031 Resubmitted LS on Publication of GS ZSM009-2 and information about related ETSI ISG ZSM work**

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

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

**S5-226033 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*

**Discussion:**

related CR: S5-226143/6144

AdNRM: S5-226537/6545/6546/6638/6640

SA5 Chair: Resubmitted LS from O-RAN with questions about guidelines from SA5, but nobody proposed any reply so far

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

**S5-226082 LS on Autonomous Networks deliverables from ITU FG-AN**

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

**Discussion:**

ITU-T inform SA5 about the second set of deliverables and the ongoing deliverables of the ITU Focus Group on Autonomous Networks (FG-AN)

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

**S5-226728 LS on Updating Dynamic Measurement Method for both LTE & NR (ETSI\_TC\_EE(22)062031; to: SA5, TEC India, ATIS STEP TEE, ITU-T SG5; cc: -; contact: Nokia)**

*Type: LS in For: (not specified)  
 Original outgoing LS: ETSI\_TC\_EE(22)062031, to SA5, TEC India, ATIS STEP TEE, ITU-T SG5, cc -  
 Source: ETSI TC EE*

**Abstract:**

late LSin; no explicit SA5 action requested

**Discussion:**

MCC: LTE (TS 102 706-2) or NR (TS 103 786) referenced in SA5 specifications?

Huawei: The two ETSI specs which are referred to are not used by SA5 and we have therefore no reference to them.

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

**S5-226730 Void**

*Type: other For: discussion  
 Source: ETSI MCC*

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

### 6.2 New OAM&P Work Item proposals

**S5-226170 Rel-18 New WID Enhancement of Management of Trace/MDT phase 2**

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

**Discussion:**

Ericssson: same info is already in other part of the system so why reporting in MDT? premature to start a WI before the RAN study is clear?

**Decision:** The document was **revised to S5-226733**.

**S5-226733 Rel-18 New WID Enhancement of Management of Trace/MDT phase 2**

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

(Replaces S5-226170)

**Discussion:**

MCC: why title Ph2 and Ph3 in acronym?

Nokia:

**Decision:** The document was **revised to S5-227041**.

**S5-227041 Rel-18 New WID Enhancement of Management of Trace/MDT phase 2**

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

(Replaces S5-226733)

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

**S5-226235 New WID on Enhancements of Self-Organizing Networks (SON) for 5G networks**

*Type: WID new For: Approval  
 Source: Intel Korea, Ltd.*

**Discussion:**

SA5 Chair: was a SID in the Tdoc request but it is a WID

MCC: will be corrected

Samsung: these functionalities are not defined as SON functions

Nokia: what is the relation to the study, there is a lot of RAN3 there but they conclude nothing to be done

Intel: no relation to SI, just to some CRs

Nokia: there is a general purpose WI for NRM where it could be added

Intel: AIML MRO and SON MRO are different functions

**Decision:** The document was **revised to S5-226734**.

**S5-226734 New WID on Enhancements of Self-Organizing Networks (SON) for 5G networks**

*Type: WID new For: Approval  
 Source: Intel Korea, Ltd.*

(Replaces S5-226235)

**Discussion:**

Samsung: if objective is to define measurement then please do this in existing WID

Samsung: putting measurement in 28.313?

Intel: was asked by MCC to bring a WID proposal

Nokia: there is no intention from our side to bring a measurement

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

**S5-226399 Discussion for a new SID on management aspects of Digital Twin Network**

*Type: discussion For: Discussion  
 Source: CMDI*

**Abstract:**

Discussion for a new SID on management aspects of Digital Twin Network

**Discussion:**

Intel: we are supporting this study

Ericsson: huge workload in SA5; what problem are we trying to solve with digital twins should be clarified

NTT DOCOMO: unclear how to configure phys. network compared to digital twin?

Telefonica: please avoid overlaps with work in other SDOs

**Decision:** The document was **revised to S5-226736**.

**S5-226736 Discussion for a new SID on management aspects of Digital Twin Network**

*Type: discussion For: Endorsement  
 Source: CMDI*

(Replaces S5-226399)

**Discussion:**

SA5 Chair: Tdoc shall not have d3

Intel: diagram and terminology removed?

Nokia: proposes to only note the Tdoc as we do not know what "endorsing a SI" means

SA5 Chair: formal agreement of a SI can only be done based on a SID, we cannot pre-agree a SI before seeing it

conclusion: endorsing will be removed and d3

**Decision:** The document was **revised to S5-227043**.

**S5-227043 Discussion for a new SID on management aspects of Digital Twin Network**

*Type: discussion For: Endorsement  
 Source: CMDI*

(Replaces S5-226736)

**Discussion:**

Ericsson: one more SI for REL-18?

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

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

"Maintenance" =pre-REL-18

**S5-226056 YANG Corrections in Word TS**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0189 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-226057 YANG Corrections in Word TS**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0785 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-226058 YANG Corrections in Word TS**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0190 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-226060 YANG Corrections in Word TS**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0786 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-226061 Add missing mapping of isNotifyable**

*Type: CR For: Agreement  
 32.160 v16.5.0 CR-0029 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-226062 Add missing mapping of isNotifyable**

*Type: CR For: Agreement  
 32.160 v17.5.0 CR-0030 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-226063 FIles and File IOCs YANG**

*Type: CR For: Endorsement  
 28.623 v18.0.2 CR-0191 Cat: B (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Abstract:**

Pilot CR for documenting code only in Forge.

If endorsed it will be expanded into a full CR to be sent to SA.

**Discussion:**

Huawei: there is no WI FIMA in REL-18

Ericsson: updating adNRM which was in the previous REL; stage 2 is not being touched

conclusion: REL-18 WI AdNRM\_ph2 will be used

**Decision:** The document was **revised to S5-226740**.

**S5-226740 FIles and File IOCs YANG**

*Type: CR For: Endorsement  
 28.623 v18.0.2 CR-0191 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-226063)

**Discussion:**

agreed unseen

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

**S5-226194 Rel-17 CR 28.622 Add missing notifyMOIChanges in Files and File IOC**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0185 Cat: F (Rel-17)  
  
 Source: Oy LM Ericsson AB*

**Discussion:**

Huawei: before change user could select one solution but after the change the "as well as" means that both have to be considered, so why was "or" changed to "as well as"?

**Decision:** The document was **revised to S5-226741**.

**S5-226741 Rel-17 CR 28.622 Add missing notifyMOIChanges in Files and File IOC**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0185 rev 1 Cat: F (Rel-17)  
  
 Source: Oy LM Ericsson AB*

(Replaces S5-226194)

**Discussion:**

multiple versions of this Tdoc existing

**Decision:** The document was **revised to S5-227077**.

**S5-227077 Rel-17 CR 28.622 Add missing notifyMOIChanges in Files and File IOC**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0185 rev 2 Cat: F (Rel-17)  
  
 Source: Oy LM Ericsson AB*

(Replaces S5-226741)

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

**S5-226195 Rel-18 CR 28.622 Add missing notifyMOIChanges in Files and File IOC**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0186 Cat: A (Rel-18)  
  
 Source: Oy LM Ericsson AB*

**Discussion:**

MCC: mirror CR has to have same WI code as cat.F CR

**Decision:** The document was **revised to S5-226742**.

**S5-226742 Rel-18 CR 28.622 Add missing notifyMOIChanges in Files and File IOC**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0186 rev 1 Cat: A (Rel-18)  
  
 Source: Oy LM Ericsson AB*

(Replaces S5-226195)

**Discussion:**

multiple versions of this Tdoc existing

**Decision:** The document was **revised to S5-227078**.

**S5-227078 Rel-18 CR 28.622 Add missing notifyMOIChanges in Files and File IOC**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0186 rev 2 Cat: A (Rel-18)  
  
 Source: Oy LM Ericsson AB*

(Replaces S5-226742)

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

**S5-226067 Add missing attribute properties to YANG**

*Type: CR For: Agreement  
 28.623 v16.12.1 CR-0192 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

**Abstract:**

late Tdoc

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

**S5-226079 Add missing attribute properties to YANG**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0195 Cat: F (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Abstract:**

late Tdoc

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

**S5-226080 Add missing attribute properties to YANG**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0196 Cat: A (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Abstract:**

late Tdoc

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

**S5-226083 Clarify attributes and IOCs**

*Type: CR For: Agreement  
 32.156 v16.6.0 CR-0043 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

**Discussion:**

Nokia: we have a CR on the same attribute in S5-226237

SA5 VC (Huawei): need to merge?

Ericsson: a vendor may or not implement it

Samsung: implies that all IOCs are always optional but this is not true

Nokia: 5.2.1 aspect can be merged in S5-226237

conclusion: overlapping part of 5.2.1 will be removed and shifted into rev of S5-226237

multiple versions of this Tdoc exist

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

**S5-226743 Clarify attributes and IOCs**

*Type: CR For: Agreement  
 32.156 v16.6.0 CR-0043 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Hungary Ltd*

**Discussion:**

Ericsson: will bring this to next meeting

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

**S5-226088 Clarify attributes and IOCs**

*Type: CR For: Agreement  
 32.156 v17.1.0 CR-0044 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Discussion:**

multiple versions of this Tdoc exist

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

**S5-226745 Clarify attributes and IOCs**

*Type: CR For: Agreement  
 32.156 v17.1.0 CR-0044 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Hungary Ltd*

**Discussion:**

Ericsson: will bring it to next meeting

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

**S5-226123 Rel-16 TS 32.155 Correction of scope**

*Type: CR For: Agreement  
 32.155 v16.0.0 CR-0007 Cat: F (Rel-16)  
  
 Source: Ericsson-LG Co., LTD*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", REL shall have no blanks

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

**S5-226124 Rel-17 TS 32.155 Correction of scope**

*Type: CR For: Agreement  
 32.155 v17.0.0 CR-0008 Cat: A (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", REL shall have no blanks

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

**S5-226125 Rel-15 TS 28.541 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.541 v15.8.0 CR-0813 Cat: F (Rel-15)  
  
 Source: Ericsson-LG Co., LTD*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", REL shall have no blanks

Huawei: why removing list of YANG modules in E.5?

Ericsson: we have split it in multiple modules but we can have E.5.0

**Decision:** The document was **revised to S5-226746**.

**S5-226746 Rel-15 TS 28.541 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.541 v15.8.0 CR-0813 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-226125)

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

**S5-226126 Rel-16 TS 28.541 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0814 Cat: A (Rel-16)  
  
 Source: Ericsson-LG Co., LTD*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", REL shall have no blanks

**Decision:** The document was **revised to S5-226747**.

**S5-226747 Rel-16 TS 28.541 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0814 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-226126)

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

**S5-226127 Rel-17 TS 28.541 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0815 Cat: A (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", REL shall have no blanks

**Decision:** The document was **revised to S5-226748**.

**S5-226748 Rel-17 TS 28.541 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0815 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-226127)

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

**S5-226128 Rel-18 TS 28.541 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0816 Cat: A (Rel-18)  
  
 Source: Ericsson-LG Co., LTD*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", REL shall have no blanks

**Decision:** The document was **revised to S5-226749**.

**S5-226749 Rel-18 TS 28.541 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0816 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-226128)

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

**S5-226129 Rel-15 TS 28.623 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.623 v15.5.0 CR-0198 Cat: F (Rel-15)  
  
 Source: Ericsson-LG Co., LTD*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", REL shall have no blanks

Huawei: same comment as for S5-226125

**Decision:** The document was **revised to S5-226750**.

**S5-226750 Rel-15 TS 28.623 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.623 v15.5.0 CR-0198 rev 1 Cat: F (Rel-15)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-226129)

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

**S5-226130 Rel-16 TS 28.623 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.623 v16.12.1 CR-0199 Cat: A (Rel-16)  
  
 Source: Ericsson-LG Co., LTD*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", REL shall have no blanks

**Decision:** The document was **revised to S5-226751**.

**S5-226751 Rel-16 TS 28.623 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.623 v16.12.1 CR-0199 rev 1 Cat: A (Rel-16)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-226130)

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

**S5-226131 Rel-17 TS 28.623 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0200 Cat: A (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", REL shall have no blanks, missing rev number on CR cover

**Decision:** The document was **revised to S5-226752**.

**S5-226752 Rel-17 TS 28.623 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0200 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-226131)

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

**S5-226133 Rel-18 TS 28.623 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0202 Cat: A (Rel-18)  
  
 Source: Ericsson-LG Co., LTD*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", REL shall have no blanks

**Decision:** The document was **revised to S5-226753**.

**S5-226753 Rel-18 TS 28.623 Adding YANG begin and End markers**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0202 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson-LG Co., LTD*

(Replaces S5-226133)

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

**S5-226143 Fix vague issues in EP\_Transport with Federated network modelling**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0817 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS*

**Discussion:**

MCC: unnecessary commas in WI code field

Ericsson: is a resubmission of a previous meeting and we still do not agree

Nokia: 32.828 has a similar situation

Ericsson: pointing at a value in another model is not appropriate

Samsung: this CR can not be a cat.F CR

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

**S5-226754 Fix vague issues in EP\_Transport with Federated network modelling**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0817 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS*

**Discussion:**

there are still some concerns offline

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

**S5-226144 Fix vague issues in EP\_Transport with Federated network modelling**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0818 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS*

**Discussion:**

MCC: unnecessary commas in WI code field

**Decision:** The document was **revised to S5-226755**.

**S5-226755 Fix vague issues in EP\_Transport with Federated network modelling**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0818 rev 1 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS*

(Replaces S5-226144)

**Discussion:**

cat. and WI code changed

Ericsson: does not agree to it

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

**S5-226237 Rel-17 CR 32.156 Clarify definitions of attribute properties**

*Type: CR For: Agreement  
 32.156 v17.1.0 CR-0048 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Samsung: Tdoc was difficult to review as it introduces new text which was existing and then modified

Nokia: table was split into 3 tables

conclusion: overlapping part of S5-226083 will be included in a revision of S5-226237

**Decision:** The document was **revised to S5-226744**.

**S5-226744 Rel-17 CR 32.156 Clarify definitions of attribute properties**

*Type: CR For: Agreement  
 32.156 v17.1.0 CR-0048 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

(Replaces S5-226237)

**Abstract:**

includes aspects which were previously in S5-226083

**Discussion:**

Samsung: what is the "selection method"? remove last 2 bullets in Table 5.2.1.1-1; value determinded by the user would be enough

**Decision:** The document was **revised to S5-227044**.

**S5-227044 Rel-17 CR 32.156 Clarify definitions of attribute properties**

*Type: CR For: Agreement  
 32.156 v17.1.0 CR-0048 rev 2 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

(Replaces S5-226744)

**Discussion:**

Nokia: definition of default value was changed

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

**S5-226238 Rel-16 CR 32.158 Clarify usage of information models**

*Type: CR For: Agreement  
 32.158 v16.7.0 CR-0064 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226756**.

**S5-226756 Rel-16 CR 32.158 Clarify usage of information models**

*Type: CR For: Agreement  
 32.158 v16.7.0 CR-0064 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226238)

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

**S5-226239 Rel-17 CR 32.158 Clarify usage of information models**

*Type: CR For: Agreement  
 32.158 v17.2.1 CR-0065 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226757**.

**S5-226757 Rel-17 CR 32.158 Clarify usage of information models**

*Type: CR For: Agreement  
 32.158 v17.2.1 CR-0065 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226239)

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

**S5-226240 Rel-16 CR 32.158 Clarify format of target URIs**

*Type: CR For: Agreement  
 32.158 v16.7.0 CR-0066 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226241 Rel-17 CR 32.158 Clarify format of target URIs**

*Type: CR For: Agreement  
 32.158 v16.7.0 CR-0067 Cat: A (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: wrong REL and version on CR cover

**Decision:** The document was **revised to S5-226758**.

**S5-226758 Rel-17 CR 32.158 Clarify format of target URIs**

*Type: CR For: Agreement  
 32.158 v17.2.1 CR-0067 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226241)

**Discussion:**

SA5 Chair: version number on CR cover incorrect, also filename still says REL-16

**Decision:** The document was **revised to S5-227045**.

**S5-227045 Rel-17 CR 32.158 Clarify format of target URIs**

*Type: CR For: Agreement  
 32.158 v17.2.1 CR-0067 rev 2 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226758)

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

**S5-226242 Rel-16 CR 32.158 Clarify media type related aspects**

*Type: CR For: Agreement  
 32.158 v16.7.0 CR-0068 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Huawei: response code 406 needs to be added at the end of the new text

**Decision:** The document was **revised to S5-226759**.

**S5-226759 Rel-16 CR 32.158 Clarify media type related aspects**

*Type: CR For: Agreement  
 32.158 v16.7.0 CR-0068 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226242)

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

**S5-226243 Rel-17 CR 32.158 Clarify media type related aspects**

*Type: CR For: Agreement  
 32.158 v17.2.1 CR-0069 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Huawei: same comment as for cat.F CR

**Decision:** The document was **revised to S5-226760**.

**S5-226760 Rel-17 CR 32.158 Clarify media type related aspects**

*Type: CR For: Agreement  
 32.158 v17.2.1 CR-0069 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226243)

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

**S5-226244 Rel-16 CR 32.158 Clarify some aspects of basic design patterns**

*Type: CR For: Agreement  
 32.158 v16.7.0 CR-0070 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226245 Rel-17 CR 32.158 Clarify some aspects of basic design patterns**

*Type: CR For: Agreement  
 32.158 v17.2.1 CR-0071 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226246 Rel-16 CR 32.158 Clarify construction rules for GET response message body formats**

*Type: CR For: Agreement  
 32.158 v16.7.0 CR-0072 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: related to S5-226244, do we still need the query portion?

Nokia: agrees that an improvement of the wording can be done at next meeting

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

**S5-226247 Rel-17 CR 32.158 Clarify construction rules for GET response message body formats**

*Type: CR For: Agreement  
 32.158 v17.2.1 CR-0073 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226248 Rel-16 CR 32.158 Clarify design patterns for patching resources**

*Type: CR For: Agreement  
 32.158 v16.7.0 CR-0074 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226249 Rel-17 CR 32.158 Clarify design patterns for patching resources**

*Type: CR For: Agreement  
 32.158 v17.2.1 CR-0075 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226250 Rel-16 CR 32.158 Correct and clarify examples in Annex A**

*Type: CR For: Agreement  
 32.158 v16.7.0 CR-0076 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: new wording (with "before") could be misinterpreted

**Decision:** The document was **revised to S5-226761**.

**S5-226761 Rel-16 CR 32.158 Correct and clarify examples in Annex A**

*Type: CR For: Agreement  
 32.158 v16.7.0 CR-0076 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226250)

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

**S5-226251 Rel-17 CR 32.158 Correct and clarify examples in Annex A**

*Type: CR For: Agreement  
 32.158 v17.2.1 CR-0077 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: same comment as for cat.F CR

**Decision:** The document was **revised to S5-226762**.

**S5-226762 Rel-17 CR 32.158 Correct and clarify examples in Annex A**

*Type: CR For: Agreement  
 32.158 v17.2.1 CR-0077 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226251)

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

**S5-226252 Rel-17 CR 28.622 Correct inheritance diagram of the file download NRM fragment**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0188 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226253 Rel-18 CR 28.622 Correct inheritance diagram of the file download NRM fragment**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0189 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: WI code discrepancy (TEI17, adNR as on CR cover or TEI17, FIMA as requested in 3GU?)

Nokia: TEI17, FIMA is correct

**Decision:** The document was **revised to S5-226735**.

**S5-226735 Rel-18 CR 28.622 Correct inheritance diagram of the file download NRM fragment**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0189 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226253)

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

**S5-226254 Rel-16 CR 28.532 Correct OpenAPI definition of HTTP DELETE**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0226 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Huawei: forge link to be updated

**Decision:** The document was **revised to S5-226763**.

**S5-226763 Rel-16 CR 28.532 Correct OpenAPI definition of HTTP DELETE**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0226 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226254)

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

**S5-226255 Rel-17 CR 28.532 Correct OpenAPI definition of HTTP DELETE**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0227 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

SA5 VC (Huawei): forge link to be updated

**Decision:** The document was **revised to S5-226764**.

**S5-226764 Rel-17 CR 28.532 Correct OpenAPI definition of HTTP DELETE**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0227 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226255)

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

**S5-226256 Rel-16 CR 28.532 Correct type of “observedValue” attribute**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0228 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

SA5 VC (Huawei): forge link to be updated

**Decision:** The document was **revised to S5-226765**.

**S5-226765 Rel-16 CR 28.532 Correct type of “observedValue” attribute**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0228 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226256)

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

**S5-226257 Rel-17 CR 28.532 Correct type of “observedValue” attribute**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0229 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

SA5 VC (Huawei): forge link to be updated

**Decision:** The document was **revised to S5-226766**.

**S5-226766 Rel-17 CR 28.532 Correct type of “observedValue” attribute**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0229 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226257)

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

**S5-226258 Rel-16 CR 28.532 Correct definition of the HTTP GET response**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0230 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

SA5 VC (Huawei): forge link to be updated

**Decision:** The document was **revised to S5-226767**.

**S5-226767 Rel-16 CR 28.532 Correct definition of the HTTP GET response**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0230 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226258)

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

**S5-226259 Rel-17 CR 28.532 Correct definition of the HTTP GET response**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0231 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

SA5 VC (Huawei): forge link to be updated

**Decision:** The document was **revised to S5-226768**.

**S5-226768 Rel-17 CR 28.532 Correct definition of the HTTP GET response**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0231 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226259)

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

**S5-226260 Rel-16 CR 28.532 Add missing definition of the JSON Patch document**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0232 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

SA5 VC (Huawei): forge link to be updated

Huawei: not aligned with stage 2

**Decision:** The document was **revised to S5-226769**.

**S5-226769 Rel-16 CR 28.532 Add missing definition of the JSON Patch document**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0232 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226260)

**Discussion:**

Huawei: had offline comment, can not agree to this revision

Nokia: will solve this offline

**Decision:** The document was **revised to S5-227049**.

**S5-227049 Rel-16 CR 28.532 Add missing definition of the JSON Patch document**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0232 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226769)

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

**S5-226261 Rel-17 CR 28.532 Add missing definition of the JSON Patch document**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0233 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

SA5 VC (Huawei): forge link to be updated

**Decision:** The document was **revised to S5-226770**.

**S5-226770 Rel-17 CR 28.532 Add missing definition of the JSON Patch document**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0233 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226261)

**Decision:** The document was **revised to S5-227050**.

**S5-227050 Rel-17 CR 28.532 Add missing definition of the JSON Patch document**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0233 rev 2 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226770)

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

**S5-226262 Rel-16 CR 28.532 Remove duplicated message flows (REST SS of ProvMnS)**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0234 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226263 Rel-17 CR 28.532 Remove duplicated message flows (REST SS of ProvMnS)**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0235 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226266 Rel-17 CR 28.532 Add missing “insert” attribute to the data type “MoiChange”**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0238 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226824**.

**S5-226824 Rel-17 CR 28.532 Add missing “insert” attribute to the data type “MoiChange”**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0238 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226266)

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

**S5-226267 Rel-17 CR 28.532 Clarify allowed values for “href” parameter in “notifyMOIChanges” (NETCONF/YANG)**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0239 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226264 Rel-16 CR 28.532 Add introduction clause to the Prov MnS definition**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0236 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226825**.

**S5-226825 Rel-16 CR 28.532 Add introduction clause to the Prov MnS definition**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0236 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226264)

**Discussion:**

Ericsson: we suggested to have a reference and not go into details of stage 2

**Decision:** The document was **revised to S5-227051**.

**S5-227051 Rel-16 CR 28.532 Add introduction clause to the Prov MnS definition**

*Type: CR For: Agreement  
 28.532 v16.12.1 CR-0236 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226825)

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

**S5-226265 Rel-17 CR 28.532 Add introduction clause to the Prov MnS definition**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0237 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226826**.

**S5-226826 Rel-17 CR 28.532 Add introduction clause to the Prov MnS definition**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0237 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226265)

**Decision:** The document was **revised to S5-227052**.

**S5-227052 Rel-17 CR 28.532 Add introduction clause to the Prov MnS definition**

*Type: CR For: Agreement  
 28.532 v17.2.1 CR-0237 rev 2 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226826)

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

**S5-226280 R16 CR 28623-gc1 Correcting traceRecordingSessionReference property. Aligning with 32.422 and 28.622.**

*Type: CR For: Agreement  
 28.623 v16.12.1 CR-0209 Cat: F (Rel-16)  
  
 Source: Ericsson*

**Discussion:**

Nokia: stage 2 CRs in S5-226449/6451/6452

Ericsson: there was an error in the spec that Nokia prefers to solve first

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

**S5-226282 R17 CR 28623-h31 Correcting traceRecordingSessionReference property. Aligning with 32.422 and 28.622.**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0210 Cat: A (Rel-17)  
  
 Source: Ericsson*

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

**S5-226288 R18 CR 28623-i02 Correcting traceRecordingSessionReference property. Aligning with 32.422 and 28.622.**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0211 Cat: A (Rel-18)  
  
 Source: Ericsson*

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

**S5-226304 YANG Corrections**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0212 Cat: F (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

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

**S5-226303 Rel-15 CR TS 28.531 Correct vocabulary**

*Type: CR For: Agreement  
 28.531 v15.10.0 CR-0146 Cat: F (Rel-15)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226930**.

**S5-226930 Rel-15 CR TS 28.531 Correct vocabulary**

*Type: CR For: Agreement  
 28.531 v15.10.0 CR-0146 rev 1 Cat: F (Rel-15)  
  
 Source: Huawei*

(Replaces S5-226303)

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

**S5-226305 Rel-16 CR TS 28.531 Correct vocabulary**

*Type: CR For: Agreement  
 28.531 v16.13.0 CR-0147 Cat: A (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226931**.

**S5-226931 Rel-16 CR TS 28.531 Correct vocabulary**

*Type: CR For: Agreement  
 28.531 v16.13.0 CR-0147 rev 1 Cat: A (Rel-16)  
  
 Source: Huawei*

(Replaces S5-226305)

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

**S5-226306 Rel-17 CR TS 28.531 Correct vocabulary**

*Type: CR For: Agreement  
 28.531 v17.5.0 CR-0148 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226932**.

**S5-226932 Rel-17 CR TS 28.531 Correct vocabulary**

*Type: CR For: Agreement  
 28.531 v17.5.0 CR-0148 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226306)

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

**S5-226307 Rel-18 CR TS 28.531 Correct vocabulary**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0149 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226933**.

**S5-226933 Rel-18 CR TS 28.531 Correct vocabulary**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0149 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-226307)

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

**S5-226338 Rel-16 CR 28.622 Update MnSAgent Definition**

*Type: CR For: Agreement  
 28.622 v16.13.0 CR-0193 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

**Discussion:**

multiple versions of this Tdoc exist

**Decision:** The document was **revised to S5-227079**.

**S5-227079 Rel-16 CR 28.622 Update MnSAgent Definition**

*Type: CR For: Agreement  
 28.622 v16.13.0 CR-0193 rev 1 Cat: F (Rel-16)  
  
 Source: Ericsson Inc.*

(Replaces S5-226338)

**Discussion:**

agreed unseen

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

**S5-226339 Rel-17 CR 28.622 Update MnSAgent Definition**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0194 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

**Discussion:**

MCC: WI code does not fit to REL-16 CR

multiple versions of this Tdoc exist

**Decision:** The document was **revised to S5-227080**.

**S5-227080 Rel-17 CR 28.622 Update MnSAgent Definition**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0194 rev 1 Cat: A (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-226339)

**Discussion:**

agreed unseen

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

**S5-226340 Rel-18 CR 28.622 Update MnSAgent Definition**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0195 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

**Discussion:**

MCC: WI code discrepancy (5GMNC as on CR cover or TEI18 as requested in 3GU?)

multiple versions of this Tdoc exist

**Decision:** The document was **revised to S5-227081**.

**S5-227081 Rel-18 CR 28.622 Update MnSAgent Definition**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0195 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-226340)

**Discussion:**

agreed unseen

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

**S5-226347 Rel-18 Correct PerfMetricJob definition text**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0200 Cat: D (Rel-18)  
  
 Source: Ericsson Inc.*

**Discussion:**

MCC: WI code discrepancy (TEI17 as on CR cover or TEI18 as requested in 3GU?)

Nokia: extra CR to correct a single typo; does not want to set a precedence case

SA5 Chair: should be for TEI18; you can do this still in another REL-18 CR for the same spec

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

**S5-226359 Rel-17 CR for TS32.130 delete redundant figure**

*Type: CR For: Agreement  
 32.130 v17.4.0 CR-0022 Cat: F (Rel-17)  
  
 Source: ZXNE*

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

**S5-226360 Rel-17 CR for TS28.540 editorialCorrections**

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

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

**S5-226378 Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions**

*Type: CR For: Agreement  
 28.552 v17.8.0 CR-0390 Cat: F (Rel-17)  
  
 Source: ZXNE*

**Decision:** The document was **revised to S5-227023**.

**S5-227023 Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions**

*Type: CR For: Agreement  
 28.552 v17.8.0 CR-0390 rev 1 Cat: F (Rel-17)  
  
 Source: ZXNE*

(Replaces S5-226378)

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

**S5-226379 Rel-17 CR for TS28.552 Correct Mean and Max Time of requested legacy handover executions**

*Type: CR For: Agreement  
 28.552 v17.8.0 CR-0391 Cat: F (Rel-17)  
  
 Source: ZXNE*

**Decision:** The document was **revised to S5-227024**.

**S5-227024 Rel-17 CR for TS28.552 Correct Mean and Max Time of requested legacy handover executions**

*Type: CR For: Agreement  
 28.552 v17.8.0 CR-0391 rev 1 Cat: F (Rel-17)  
  
 Source: ZXNE*

(Replaces S5-226379)

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

**S5-226449 Correcting traceRecordingSessionReference property. Aligning with 32.422.**

*Type: CR For: Agreement  
 28.622 v16.13.0 CR-0202 Cat: F (Rel-16)  
  
 Source: Ericsson*

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

**S5-226451 R17 CR 28622h30 Correcting traceRecordingSessionReference property. Aligning with 32.422.**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0203 Cat: A (Rel-17)  
  
 Source: Ericsson*

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

**S5-226452 R18 CR 28.622-i00 Correcting traceRecordingSessionReference property. Aligning with 32.422.**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0204 Cat: A (Rel-18)  
  
 Source: Ericsson*

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

**S5-226614 Rel-17 CR for TS28.552 editorialCorrections**

*Type: CR For: Agreement  
 28.552 v17.8.0 CR-0395 Cat: F (Rel-17)  
  
 Source: ZXNE*

**Discussion:**

MCC: Proposed change affects boxes not ticked

**Decision:** The document was **revised to S5-226673**.

**S5-226673 Rel-17 CR for TS28.552 editorialCorrections**

*Type: CR For: Agreement  
 28.552 v17.8.0 CR-0395 rev 1 Cat: F (Rel-17)  
  
 Source: ZXNE*

(Replaces S5-226614)

**Discussion:**

SA5 Chair: this is a cat.D (editorial change) better merge them to another cat.F REL-17 CR on the same spec next time

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

**S5-226625 R17 CR 32.423 Indicate SCP/SEPP info in UE Trace Record**

*Type: CR For: Agreement  
 32.423 v17.5.0 CR-0139 Cat: F (Rel-17)  
  
 Source: Ericsson*

**Discussion:**

Ericsson: was taken out of block approval but got no comments

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

**S5-226642 Rel-16 CR 28.623 Add missing attribute properties to YANG**

*Type: CR For: Agreement  
 28.623 v16.12.1 CR-0216 Cat: F (Rel-16)  
  
 Source: Ericsson-LG Co., LTD*

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

**S5-226643 Rel-17 CR 28.623 Add missing attribute properties to YANG**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0217 Cat: A (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

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

**S5-226644 Rel-18 CR 28.623 Add missing attribute properties to YANG**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0218 Cat: A (Rel-18)  
  
 Source: Ericsson-LG Co., LTD*

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

#### 6.3.1 Methodology

**S5-226202 Rel-16 CR TS 32.156 Correct the wrong example for Generalization relationship notation**

*Type: CR For: Agreement  
 32.156 v16.6.0 CR-0046 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-226203 Rel-17 CR TS 32.156 Correct the wrong example for Generalization relationship notation**

*Type: CR For: Agreement  
 32.156 v17.1.0 CR-0047 Cat: A (Rel-17)  
  
 Source: Huawei*

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

#### 6.3.2 ANL

#### 6.3.3 MDAS

**S5-226223 CR Rel-17 28.104 Correction of definition for analytics window**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0025 Cat: F (Rel-17)  
  
 Source: Intel, NEC*

**Discussion:**

Samsung: consumer can ask for report all 5min? description of granularity period needed

Intel: S5-226179 is also related

SA5 VC (Huawei): documents need to be merged

**Decision:** The document was **revised to S5-226771**.

**S5-226771 CR Rel-17 28.104 Correction of definition for analytics window**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0025 rev 1 Cat: F (Rel-17)  
  
 Source: Intel, NEC*

(Replaces S5-226223)

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

**S5-226179 Rel-17 CR TS 28.104 Removal of repeated content**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0021 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

merged in S5-226771

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

**S5-226177 Rel-17 CR TS 28.104 Adding appropriate reference to GeoArea from NRM definition - Stage 2 and Stage 3**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0019 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

related to S5-226181

**Discussion:**

Huawei: should we have a CHOICE?

Nokia: as long as we do not know what the other CHOICE is, we would not change it; but as soon as there is another CHOICE we are fine to have a CHOICE

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

**S5-226775 Rel-17 CR TS 28.104 Adding appropriate reference to GeoArea from NRM definition - Stage 2 and Stage 3**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0019 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

was originally intended to be the revision of S5-226177

**Discussion:**

Nokia: finally we could go for the original S5-226177

Huawei: but we wanted to create an action item

SA5 VC: will include action in S5-226003 "Include altitude aspect in the GeoArea datatype"

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

**S5-226350 Rel-17 CR 28.104 Clarification of energy saving analysis use case**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0028 Cat: F (Rel-17)  
  
 Source: Intel Korea, Ltd.*

**Discussion:**

Huawei: 5.7.1.1 should be 5.7.1, what is virtualized NE, clause number is wrong

Samsung: how can this be a cat.F CR, it can't

Intel: if not REL-17 cat.F for eMDAS, fine to correct to REL-18 cat.B eMDAS\_Ph2

**Decision:** The document was **revised to S5-226777**.

**S5-226777 Rel-17 CR 28.104 Clarification of energy saving analysis use case**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0028 rev 1 Cat: F (Rel-17)  
  
 Source: Intel Korea, Ltd.*

(Replaces S5-226350)

**Discussion:**

Huawei: objecting to this revision, will work with author on this for next meeting

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

**S5-226352 Rel-17 CR 28.552 Add the virtualized NE energy consumption measurement**

*Type: CR For: Agreement  
 28.552 v17.8.0 CR-0389 Cat: F (Rel-17)  
  
 Source: Intel Korea, Ltd.*

**Discussion:**

Huawei: measurement is already defined in 28.554

Samsung: why is this a cat.F CR?

**Decision:** The document was **revised to S5-226778**.

**S5-226778 Rel-17 CR 28.552 Add the virtualized NE energy consumption measurement**

*Type: CR For: Agreement  
 28.552 v17.8.0 CR-0389 rev 1 Cat: F (Rel-17)  
  
 Source: Intel Korea, Ltd.*

(Replaces S5-226352)

**Discussion:**

Huawei: objecting to this revision, will work with author on this for next meeting

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

**S5-226370 Rel-18 CR TS 28.104 Update MDA assisted energy saving**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0029 Cat: F (Rel-18)  
  
 Source: Huawei*

**Discussion:**

SA5 VC (Huawei): CR is actually for REL-17

Samsung: why is a separation needed?

MCC: should be for REL-17 and eMDAS

**Decision:** The document was **revised to S5-226779**.

**S5-226779 Rel-18 CR TS 28.104 Update MDA assisted energy saving**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0029 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226370)

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

**S5-226193 Rel-17 CR TS 28.104 Correct interchanging use of MDAS and MDA MnS**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0023 Cat: F (Rel-17)  
  
 Source: Ericsson-LG Co., LTD*

**Abstract:**

moved from AI 6.3 to AI 6.3.3

**Discussion:**

Nokia: what is MDA MnS?

Ericsson: MnS with MDA capabilities

Nokia: good intention to clean this up but putting it everywhere without definition what it is is not a good idea

Intel: is defined in 28.104; supports Ericsson CR but note should be kept

NEC: objects to this CR

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

**S5-226222 CR Rel-17 28.104 Add the missing data type definition for threshold**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0024 Cat: F (Rel-17)  
  
 Source: Intel, NEC*

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

**S5-226308 Rel-17 CR 28.104 Remove S-NSSAI from example of analytics output**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0026 Cat: F (Rel-17)  
  
 Source: Huawei*

**Abstract:**

moved from AI 6.3 to AI 6.3.3

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

**S5-226641 Rel-18 CR 28.105 adding missing attributes Stage3**

*Type: CR For: Agreement  
 28.105 v17.1.1 CR-0010 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute India*

**Abstract:**

moved from AI 6.3 to AI 6.3.3

**Discussion:**

MCC: Proposed change affects boxes not ticked

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

**S5-226677 Rel-18 CR 28.105 adding missing attributes Stage3**

*Type: CR For: Agreement  
 28.105 v17.1.1 CR-0010 rev 1 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute India*

**Abstract:**

moved from AI 6.3 to AI 6.3.3

**Discussion:**

Samsung: realized that no stage 3 change is needed

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

**S5-226175 Rel-17 CR TS 28.104 Adding Stage 2 definitions of missing attributes**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0017 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226176 Rel-17 CR TS 28.104 Changing recommendation attributes of time from type DateTime to TimeWindow**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0018 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226178 Rel-17 CR TS 28.104 Correcting the attribute properties for MDA request and response IOCs**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0020 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

#### 6.3.4 AI/ML

**S5-226100 CR to TS28.104 Rel-17 MDAReport stage3 OpenAPI schema refactoring**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0016 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Forge Pilot CR (with only stage 3)

**Discussion:**

Intel: mapping from stage 2 and stage 3 should be the same

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

**S5-226780 CR to TS28.104 Rel-17 MDAReport stage3 OpenAPI schema refactoring**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0016 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

contents of this CR ended by mistake in S5-226678

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

**S5-226548 Rel-18 CR 28.105 adding missing attributes**

*Type: CR For: Agreement  
 28.105 v17.1.1 CR-0008 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-226781**.

**S5-226781 Rel-18 CR 28.105 adding missing attributes**

*Type: CR For: Agreement  
 28.105 v17.1.1 CR-0008 rev 1 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-226548)

**Discussion:**

SA5 Chair: rev marks on CR cover and wrong Tdoc number

**Decision:** The document was **revised to S5-227053**.

**S5-227053 Rel-18 CR 28.105 adding missing attributes**

*Type: CR For: Agreement  
 28.105 v17.1.1 CR-0008 rev 2 Cat: F (Rel-17)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-226781)

**Discussion:**

agreed unseen

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

**S5-226623 CR Rel-17 28.105 Correction of stage 3 openAPI**

*Type: CR For: Agreement  
 28.105 v17.1.1 CR-0009 Cat: F (Rel-17)  
  
 Source: Intel, NEC*

**Discussion:**

SA5 VC (Huawei): any stage 2 update needed?

Intel: no

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

#### 6.3.5 Energy efficiency

**S5-226322 Rel-18 CR TS 28.554 Add EC KPI based on vDisk usage**

*Type: CR For: Agreement  
 28.554 v17.8.0 CR-0103 Cat: B (Rel-18)  
  
 Source: Huawei, Deutsche Telekom*

**Discussion:**

Intel: instance x?

Huawei: depends on pCR in S5-226455

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

**S5-226782 Rel-18 CR TS 28.554 Add EC KPI based on vDisk usage**

*Type: CR For: Agreement  
 28.554 v17.8.0 CR-0103 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei, Deutsche Telekom*

**Discussion:**

Huawei: depends on pCR S5-226455 in SI

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

#### 6.3.6 Intent driven management

**S5-226152 Rel-17 CR 28.312 Add clarification for ambiguous relation description between classic MnS and intent MnS**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0008 Cat: F (Rel-17)  
  
 Source: Huawei, Deutsche Telekom*

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

**S5-226154 Rel-17 CR TS 28.312 Correct the procedure for create an intent and modify an intent**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0010 Cat: F (Rel-17)  
  
 Source: Huawei, Deutsche Telekom*

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

**S5-226155 Rel-17 CR TS 28.312 Add missing generic requirements for intent driven MnS**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0011 Cat: F (Rel-17)  
  
 Source: Huawei, Deutsche Telekom*

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

**S5-226606 Rel-17 CR TS 28.312 Correct intent class diagram**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0012 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

Huawei: why is there a need to remove the note?

Ericsson: note can stay

**Decision:** The document was **revised to S5-226784**.

**S5-226784 Rel-17 CR TS 28.312 Correct intent class diagram**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0012 rev 1 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-226606)

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

**S5-226607 Rel-17 CR TS 28.312 Correct notFulfilledReason attribute**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0013 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited*

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

**S5-226608 Rel-17 CR TS 28.312 Correct concept description**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0014 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

SA5 VC (Huawei): cover page template modified?

NTT DOCOMO: we want to keep activate/deactivate

SA5 Chair: why does it say "e-meeting"?

Ericsson: withdraws the document after offline discussion

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

**S5-226145 TS28.312 Rel-17 Correction to Context and Expectation Object definitions**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0005 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

moved from AI 6.3 to AI 6.3.6

**Discussion:**

MCC: Proposed change affects boxes not ticked, WI code discrepancy (TEI17 as on CR cover or IDMS\_MN as requested in 3GU ?)

Nokia: IDMS\_MN is correct WI code

Ericsson: does not have to be the same

**Decision:** The document was **revised to S5-226772**.

**S5-226772 TS28.312 Rel-17 Correction to Context and Expectation Object definitions**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0005 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226145)

**Discussion:**

multiple versions of the Tdoc exist

**Decision:** The document was **revised to S5-227054**.

**S5-227054 TS28.312 Rel-17 Correction to Context and Expectation Object definitions**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0005 rev 2 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226772)

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

**S5-226146 TS 28.312 Rel-17 Correction to Stage 3 and Stage 2 definitions for Intent Driven Management**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0006 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

moved from AI 6.3 to AI 6.3.6

**Discussion:**

MCC: CR includes extra yml file which is not allowed, WI code discrepancy (TEI17 as on CR cover or IDMS\_MN as requested in 3GU ?)

Nokia: IDMS\_MN is correct WI code

**Decision:** The document was **revised to S5-226773**.

**S5-226773 TS 28.312 Rel-17 Correction to Stage 3 and Stage 2 definitions for Intent Driven Management**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0006 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226146)

**Discussion:**

multiple versions of the Tdoc exist

**Decision:** The document was **revised to S5-227055**.

**S5-227055 TS 28.312 Rel-17 Correction to Stage 3 and Stage 2 definitions for Intent Driven Management**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0006 rev 2 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226773)

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

**S5-226147 TS28.312 Rel17 Addition of notification clauses, correction of mis-numbered clauses and addition of common notifications**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0007 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

moved from AI 6.3 to AI 6.3.6

**Discussion:**

MCC: WI code discrepancy (TEI17 as on CR cover or IDMS\_MN as requested in 3GU ?)

Nokia: IDMS\_MN is correct WI code

Huawei: notification table: remove notifyEvent in REL-17 (we can still discuss later for REL-18)

**Decision:** The document was **revised to S5-226774**.

**S5-226774 TS28.312 Rel17 Addition of notification clauses, correction of mis-numbered clauses and addition of common notifications**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0007 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226147)

**Discussion:**

multiple versions of the Tdoc exist

**Decision:** The document was **revised to S5-227056**.

**S5-227056 TS28.312 Rel17 Addition of notification clauses, correction of mis-numbered clauses and addition of common notifications**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0007 rev 2 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226774)

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

**S5-226153 Rel-17 CR TS 28.312 Update Enum value to use upper case characters to align with TS 32.156 (Stage2 and Stage3)**

*Type: CR For: Agreement  
 28.312 v17.1.1 CR-0009 Cat: F (Rel-17)  
  
 Source: Huawei*

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

#### 6.3.7 SON

**S5-226180 Rel-17 CR TS 28.313 Fixing incorrect references to IOCs of 28.541**

*Type: CR For: Agreement  
 28.313 v17.6.0 CR-0053 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226204 Rel-17 CR TS28.541 Correct the misalignment information between stage2 and stage3**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0824 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-226205 Rel-18 CR TS28.541 Correct the misalignment information between stage2 and stage3**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0825 Cat: A (Rel-18)  
  
 Source: Huawei*

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

#### 6.3.8 QMC

**S5-226571 Rel-17 CR 28.404 flow correction and clean up**

*Type: CR For: Agreement  
 28.404 v17.3.0 CR-0010 Cat: A (Rel-17)  
  
 Source: Nokia*

**Abstract:**

Correction to high level use case, editorial corrections

**Discussion:**

MCC: Proposed change affects boxes not ticked

**Decision:** The document was **revised to S5-226667**.

**S5-226667 Rel-17 CR 28.404 flow correction and clean up**

*Type: CR For: Agreement  
 28.404 v17.3.0 CR-0010 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia*

(Replaces S5-226571)

**Discussion:**

MCC: wrong rev number on CR cover

**Decision:** The document was **revised to S5-227026**.

**S5-227026 Rel-17 CR 28.404 flow correction and clean up**

*Type: CR For: Agreement  
 28.404 v17.3.0 CR-0010 rev 2 Cat: A (Rel-17)  
  
 Source: Nokia*

(Replaces S5-226667)

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

**S5-226572 Rel-16 CR 28.404 flow correction and clean up**

*Type: CR For: Agreement  
 28.404 v16.3.0 CR-0011 Cat: F (Rel-16)  
  
 Source: Nokia*

**Abstract:**

Correction to high level use case, editorial corrections

**Discussion:**

MCC: Proposed change affects boxes not ticked

**Decision:** The document was **revised to S5-226668**.

**S5-226668 Rel-16 CR 28.404 flow correction and clean up**

*Type: CR For: Agreement  
 28.404 v16.3.0 CR-0011 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia*

(Replaces S5-226572)

**Discussion:**

MCC: wrong rev number on CR cover

**Decision:** The document was **revised to S5-227027**.

**S5-227027 Rel-16 CR 28.404 flow correction and clean up**

*Type: CR For: Agreement  
 28.404 v16.3.0 CR-0011 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia*

(Replaces S5-226668)

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

**S5-226573 Rel-18 CR 28.405 clean up**

*Type: CR For: Agreement  
 28.405 v18.0.0 CR-0016 Cat: F (Rel-18)  
  
 Source: Nokia*

**Abstract:**

Alignment with other QMC specifications, editorial corrections

**Discussion:**

MCC: Proposed change affects boxes not ticked

**Decision:** The document was **revised to S5-226669**.

**S5-226669 Rel-18 CR 28.405 clean up**

*Type: CR For: Agreement  
 28.405 v18.0.0 CR-0016 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia*

(Replaces S5-226573)

**Discussion:**

MCC: wrong rev number on CR cover

**Decision:** The document was **revised to S5-227028**.

**S5-227028 Rel-18 CR 28.405 clean up**

*Type: CR For: Agreement  
 28.405 v18.0.0 CR-0016 rev 2 Cat: F (Rel-18)  
  
 Source: Nokia*

(Replaces S5-226669)

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

**S5-226574 Rel-17 CR 28.405 clean up**

*Type: CR For: Agreement  
 28.405 v17.3.0 CR-0017 Cat: F (Rel-17)  
  
 Source: Nokia*

**Abstract:**

Alignment with other QMC specifications, editorial corrections

**Discussion:**

MCC: Proposed change affects boxes not ticked

**Decision:** The document was **revised to S5-226670**.

**S5-226670 Rel-17 CR 28.405 clean up**

*Type: CR For: Agreement  
 28.405 v17.3.0 CR-0017 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia*

(Replaces S5-226574)

**Discussion:**

MCC: wrong rev number on CR cover

**Decision:** The document was **revised to S5-227029**.

**S5-227029 Rel-17 CR 28.405 clean up**

*Type: CR For: Agreement  
 28.405 v17.3.0 CR-0017 rev 2 Cat: F (Rel-17)  
  
 Source: Nokia*

(Replaces S5-226670)

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

#### 6.3.9 Network slicing management

**S5-226097 TS28.541 Rel-16 Correcting name of nSInstanceId**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0794 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226925**.

**S5-226925 TS28.541 Rel-16 Correcting name of nSInstanceId**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0794 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226097)

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

**S5-226098 TS28.541 Rel-17 Correcting name of nSInstanceId**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0795 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226926**.

**S5-226926 CR to TS 28.541 Rel-17 Correcting name of nSInstanceId**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0795 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226098)

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

**S5-226099 CR to TS 28.541 Rel-18 Correcting name of nSInstanceId**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0796 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226104 Rel-17 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0797 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI*

**Decision:** The document was **revised to S5-226785**.

**S5-226785 Rel-17 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0797 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI*

(Replaces S5-226104)

**Discussion:**

Huawei: objects to this CR, needs an explanation to next meeting via discussion paper

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

**S5-226105 Rel-18 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0798 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI*

**Decision:** The document was **revised to S5-226786**.

**S5-226786 Rel-18 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0798 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, KDDI*

(Replaces S5-226105)

**Discussion:**

Huawei: objects to this CR, needs an explanation to next meeting via discussion paper

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

**S5-226111 Rel-16 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0801 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Samsung: more description text is needed

**Decision:** The document was **revised to S5-226787**.

**S5-226787 Rel-16 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0801 rev 1 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226111)

**Discussion:**

Nokia: small change in cardinality

**Decision:** The document was **revised to S5-227046**.

**S5-227046 Rel-16 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0801 rev 2 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226787)

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

**S5-226112 Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0802 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Rel-16 related correction is in CR#0801 with tDoc S5-226111 and Rel-17 related correction is in CR#0802 with tDoc S5-226112. Since there are additional changes in Rel-17, the Rel-17 CR is a correction CR and not a mirror.

**Discussion:**

same comments as for REL-16 CR apply

**Decision:** The document was **revised to S5-226788**.

**S5-226788 Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0802 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226112)

**Decision:** The document was **revised to S5-227047**.

**S5-227047 Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0802 rev 2 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226788)

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

**S5-226113 Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0803 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

same comments as for REL-16 CR apply

**Decision:** The document was **revised to S5-226789**.

**S5-226789 Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0803 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226113)

**Decision:** The document was **revised to S5-227048**.

**S5-227048 Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0803 rev 2 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226789)

**Discussion:**

MCC: CR cover says rev 3 (although it is rev 2)

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

**S5-226114 Rel-16 CR TS 28.541 Correction to GSMA NG 116 reference for KPIMonitoring**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0804 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226115 Rel-17 CR TS 28.541 Correction to GSMA NG 116 reference for KPIMonitoring**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0805 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226116 Rel-18 CR TS 28.541 Correction to GSMA NG 116 reference for KPIMonitoring**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0806 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226117 Rel-16 CR TS 28.541 Correction to ServiceProfile attribute v2XCommModels name in YAML defintion**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0807 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226118 Rel-17 CR TS 28.541 Correction to ServiceProfile attribute v2XCommModels name in YAML defintion**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0808 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226119 Rel-18 CR TS 28.541 Correction to ServiceProfile attribute v2XCommModels name in YAML defintion**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0809 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226156 Rel-17 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0819 Cat: F (Rel-17)  
  
 Source: Huawei*

**Discussion:**

discussion will continue offline first

Nokia: does not agree to the note in the table

Ericsson: has same comment the note, is adding condition which should not be the case

**Decision:** The document was **revised to S5-227057**.

**S5-227057 Rel-17 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0819 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226156)

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

**S5-226157 Rel-18 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0820 Cat: A (Rel-18)  
  
 Source: Huawei*

**Discussion:**

discussion will continue offline first

**Decision:** The document was **revised to S5-227058**.

**S5-227058 Rel-18 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0820 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-226157)

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

**S5-226586 Rel-16 CR TS 28.541 Consistency in use of servAttrCom**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0836 Cat: F (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

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

**S5-226585 Rel-17 CR TS 28.541 Consistency in use of servAttrCom**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0835 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", wrong Rel-18 on CR cover? (MA5SLA was a REL-16 WI)

**Decision:** The document was **revised to S5-226790**.

**S5-226790 Rel-17 CR TS 28.541 Consistency in use of servAttrCom**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0835 rev 1 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-226585)

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

**S5-226584 Rel-18 CR TS 28.541 Consistency in use of servAttrCom**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0834 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

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

**S5-226587 Rel-18 CR TS 28.541 Correct kPIList**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0837 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

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

**S5-226588 Rel-17 CR TS 28.541 Correct kPIList**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0838 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

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

**S5-226589 Rel-16 CR TS 28.541 Correct kPIList**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0839 Cat: F (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

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

**S5-226590 Rel-18 CR TS 28.531 Clarify network slice subnet configuration**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0156 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: WI code discrepancy (TEI18 as on CR cover or NETSLICE as requested in 3GU?); NETSLICE was a REL-15 WI

Huawei: it was discussed at last SA5 meeting what is the difference now?

Ericsson: there was not enough time to discuss this last time

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

**S5-226591 Rel-17 CR TS 28.531 Clarify network slice subnet configuration**

*Type: CR For: Agreement  
 28.531 v17.5.0 CR-0157 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: WI code discrepancy (TEI16 as on CR cover or NETSLICE as requested in 3GU?); NETSLICE was a REL-15 WI

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

**S5-226592 Rel-16 CR TS 28.531 Clarify network slice subnet configuration**

*Type: CR For: Agreement  
 28.531 v16.13.0 CR-0158 Cat: F (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: CR cat. unclear (F or A); NETSLICE was a REL-15 WI

Huawei: we disagree to this CR package, our comments were not resolved

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

**S5-226593 Rel-18 CR TS 28.531 Clarification of deallocation use case**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0159 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: WI code discrepancy (TEI16 as on CR cover or NETSLICE as requested in 3GU?); NETSLICE was a REL-15 WI

Huawei: Tdoc needs more discussion

**Decision:** The document was **revised to S5-226970**.

**S5-226970 Rel-18 CR TS 28.531 Clarification of deallocation use case**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0159 rev 1 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-226593)

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

**S5-226594 Rel-17 CR TS 28.531 Clarification of deallocation use case**

*Type: CR For: Agreement  
 28.531 v17.5.0 CR-0160 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: WI code discrepancy (TEI16 as on CR cover or NETSLICE as requested in 3GU?); NETSLICE was a REL-15 WI

**Decision:** The document was **revised to S5-226969**.

**S5-226969 Rel-17 CR TS 28.531 Clarification of deallocation use case**

*Type: CR For: Agreement  
 28.531 v17.5.0 CR-0160 rev 1 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-226594)

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

**S5-226595 Rel-16 CR TS 28.531 Clarification of deallocation use case**

*Type: CR For: Agreement  
 28.531 v16.13.0 CR-0161 Cat: F (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: WI code discrepancy (TEI16 as on CR cover or NETSLICE as requested in 3GU?); NETSLICE was a REL-15 WI

**Decision:** The document was **revised to S5-226968**.

**S5-226968 Rel-16 CR TS 28.531 Clarification of deallocation use case**

*Type: CR For: Agreement  
 28.531 v16.13.0 CR-0161 rev 1 Cat: A (Rel-16)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-226595)

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

**S5-226967 Rel-15 CR TS 28.531 Clarification of deallocation use case**

*Type: CR For: Agreement  
 28.531 v15.10.0 CR-0163 Cat: F (Rel-15)  
  
 Source: L.M. Ericsson Limited*

**Abstract:**

CR was only created during SA5 #146

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

**S5-226596 Rel-18 CR TS 28.541 Correct periodicityList**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0840 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

**Decision:** The document was **revised to S5-226793**.

**S5-226793 Rel-18 CR TS 28.541 Correct periodicityList**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0840 rev 1 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-226596)

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

**S5-226597 Rel-17 CR TS 28.541 Correct periodicityList**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0841 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

**Decision:** The document was **revised to S5-226792**.

**S5-226792 Rel-17 CR TS 28.541 Correct periodicityList**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0841 rev 1 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-226597)

**Discussion:**

SA5 Chair: d1 in file name should not appear

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

**S5-226598 Rel-16 CR TS 28.541 Correct periodicityList**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0842 Cat: F (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

Huawei: should multiplicity be changed? should say "each instance"

**Decision:** The document was **revised to S5-226791**.

**S5-226791 Rel-16 CR TS 28.541 Correct periodicityList**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0842 rev 1 Cat: F (Rel-16)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-226598)

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

**S5-226599 Rel-18 CR TS 28.541 Correct network slice state management table**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0843 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", WI code spelling error on CR cover (the correct WI code is TEI17 and not TEI-17)

SA5 Chair (Huawei): replace NSI in the table to instance of network slice

**Decision:** The document was **revised to S5-226794**.

**S5-226794 Rel-18 CR TS 28.541 Correct network slice state management table**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0843 rev 1 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-226599)

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

**S5-226600 Rel-17 CR TS 28.541 Correct network slice state management table**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0844 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS", WI code spelling error on CR cover (the correct WI code is TEI17 and not TEI-17)

**Decision:** The document was **revised to S5-226795**.

**S5-226795 Rel-17 CR TS 28.541 Correct network slice state management table**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0844 rev 1 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-226600)

**Discussion:**

SA5 Chair: WI code has still a - which should not be there

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

**S5-226601 Discussion paper on network slice state management**

*Type: discussion For: Endorsement  
 Source: L.M. Ericsson Limited*

**Discussion:**

Huawei: note is not needed

Nokia: same view as Huawei; parent and sibling NSSI not defined

Huawei: we comments to S5-226601-6605 which were not resolved

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

**S5-226602 Rel-18 CR TS 28.541 Add new note to Annex B**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0845 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Abstract:**

related to S5-226601

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

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

**S5-226603 Rel-17 CR TS 28.541 Add new note to Annex B**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0846 Cat: A (Rel-17)  
  
 Source: L.M. Ericsson Limited*

**Abstract:**

related to S5-226601

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

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

**S5-226604 Rel-16 CR TS 28.541 Add new note to Annex B**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0847 Cat: A (Rel-16)  
  
 Source: L.M. Ericsson Limited*

**Abstract:**

related to S5-226601

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

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

**S5-226605 Rel-15 CR TS 28.541 Add new note to Annex B**

*Type: CR For: Agreement  
 28.541 v15.8.0 CR-0848 Cat: F (Rel-15)  
  
 Source: L.M. Ericsson Limited*

**Abstract:**

related to S5-226601

**Discussion:**

MCC: spec field on CR cover shall only show spec number and no "TS"

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

#### 6.3.10 MEC management

#### 6.3.11 General NRM

**S5-226120 Rel-16 CR TS 28.541 Correction to inconsistencies in GNBCUCPFunction definition**

*Type: CR For: Agreement  
 28.541 v16.13.0 CR-0810 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226121 Rel-17 CR TS 28.541 Correction to inconsistencies in GNBCUCPFunction definition**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0811 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226122 Rel-18 CR TS 28.541 Correction to inconsistencies in GNBCUCPFunction definition**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0812 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226068 Rel-17 CR 28.622 Correcting attribute definitions**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0177 Cat: F (Rel-17)  
  
 Source: Ericsson France S.A.S*

**Abstract:**

moved from AI 6.3 to AI 6.3.11

**Discussion:**

Huawei: remaining "e" from "Type" needs to be removed

Nokia: no need to abbreviate "management data" by mgt

Ericsson: was done to align with stage 3

SA5 VC (Huawei): we need to have a consistent naming and add an action point

Nokia: changing attribute names when mapping stage 2 to stage 3 should not happen

**Decision:** The document was **revised to S5-226796**.

**S5-226796 Rel-17 CR 28.622 Correcting attribute definitions**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0177 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson France S.A.S*

(Replaces S5-226068)

**Discussion:**

conclusion: agreed unchanged (only one extra e is removed)

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

**S5-226069 Rel-18 CR 28.622 Correcting attribute definitions**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0178 Cat: A (Rel-18)  
  
 Source: Ericsson France S.A.S*

**Abstract:**

moved from AI 6.3 to AI 6.3.11

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

**S5-226797 Rel-18 CR 28.622 Correcting attribute definitions**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0178 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson France S.A.S*

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

**S5-226070 Rel-17 CR 28.623 Add YANG for ManagementDataCollection**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0193 Cat: F (Rel-17)  
  
 Source: Ericsson France S.A.S*

**Abstract:**

moved from AI 6.3 to AI 6.3.11

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

**S5-226071 Rel-18 CR 28.623 Add YANG for ManagementDataCollection**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0194 Cat: A (Rel-18)  
  
 Source: Ericsson France S.A.S*

**Abstract:**

moved from AI 6.3 to AI 6.3.11

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

**S5-226158 Rel-17 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2)**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0180 Cat: F (Rel-17)  
  
 Source: Huawei*

**Discussion:**

MCC: wrong spec version on CR cover

Huawei: "object instance" is already used

Samsung: granularity means a time duration and does not work

Huawei: "data scope" would be confusing

Samsung: subcounters would be more confusing

SA5 VC (Huawei): can improve wording offline

**Decision:** The document was **revised to S5-226652**.

**S5-226652 Rel-17 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2)**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0180 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226158)

**Discussion:**

MCC: 28.622 exists in REL-18

Huawei: REL-18 CR in S5-226799

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

**S5-226160 Rel-18 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2)**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0181 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226799**.

**S5-226799 Rel-18 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2)**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0181 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-226160)

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

**S5-226159 Rel-17 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3)**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0203 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226798**.

**S5-226798 Rel-17 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3)**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0203 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226159)

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

**S5-226161 Rel-18 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3)**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0204 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226800**.

**S5-226800 Rel-18 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3)**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0204 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-226161)

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

**S5-226342 Rel-17 28.622 Correct ManagementDataCollection IOC definition**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0196 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

**Discussion:**

SA5 VC (Huawei): overlapping change CR in S5-226158; change from S5-226158 will be shifted to S5-226342

**Decision:** The document was **revised to S5-226801**.

**S5-226801 Rel-17 28.622 Correct ManagementDataCollection IOC definition**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0196 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-226342)

**Discussion:**

SA5 Chair: cover page looks corrupted, meeting header not shown

**Decision:** The document was **revised to S5-227059**.

**S5-227059 Rel-17 28.622 Correct ManagementDataCollection IOC definition**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0196 rev 2 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-226801)

**Decision:** The document was **revised to S5-227082**.

**S5-227082 Rel-17 28.622 Correct ManagementDataCollection IOC definition**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0196 rev 3 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

(Replaces S5-227059)

**Discussion:**

agreed unseen

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

**S5-226343 Rel-18 28.622 Correct ManagementDataCollection IOC definition**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0197 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

**Discussion:**

same comment as for cat.F CR

**Decision:** The document was **revised to S5-226802**.

**S5-226802 Rel-18 28.622 Correct ManagementDataCollection IOC definition**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0197 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-226343)

**Discussion:**

cover sheet and rev number to be corrected

**Decision:** The document was **revised to S5-227060**.

**S5-227060 Rel-18 28.622 Correct ManagementDataCollection IOC definition**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0197 rev 2 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-226802)

**Decision:** The document was **revised to S5-227083**.

**S5-227083 Rel-18 28.622 Correct ManagementDataCollection IOC definition**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0197 rev 3 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-227060)

**Discussion:**

agreed unseen

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

**S5-226162 Rel-17 CR TS 28.541 Correct the definition for cellLocalId to support MOCN network sharing sceanrio**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0821 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-226163 Rel-18 CR TS 28.541 Correct the definition for cellLocalId to support MOCN network sharing sceanrio**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0822 Cat: A (Rel-18)  
  
 Source: Huawei*

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

**S5-226181 Rel-17 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0182 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

related to S5-226177

**Discussion:**

MCC: WI code spelling error on CR cover

**Decision:** The document was **revised to S5-226776**.

**S5-226776 Rel-17 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0182 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226181)

**Discussion:**

SA5 Chair: no rev marks on CR cover

MCC: rev number wrong

**Decision:** The document was **revised to S5-227061**.

**S5-227061 Rel-17 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0182 rev 2 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226776)

**Discussion:**

agreed unseen

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

**S5-226186 Rel-18 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0183 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: WI code spelling error on CR cover

**Decision:** The document was **revised to S5-226831**.

**S5-226831 Rel-18 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0183 rev 1 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226186)

**Decision:** The document was **revised to S5-227062**.

**S5-227062 Rel-18 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0183 rev 2 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226831)

**Discussion:**

agreed unseen

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

**S5-226182 Rel-17 CR TS 28.623 Adding a new data type to represent GeoArea via convex polygon - Stage 3**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0205 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: WI code spelling error on CR cover

Huawei: CR depends on S5-226181

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

**S5-226188 Rel-18 CR TS 28.623 Adding a new data type to represent GeoArea via convex polygon - Stage 3**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0206 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: WI code spelling error on CR cover

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

**S5-226190 Rel-18 CR TS 28.658 Enhancing EUtranRelation with NR cell as source cell**

*Type: CR For: Agreement  
 28.658 v17.1.0 CR-0062 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226285 Rel-16 CR TS 28.622 Removing reference to non-existing clause in 32.422**

*Type: CR For: Agreement  
 28.622 v16.13.0 CR-0190 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: WI code spelling error on CR cover

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

**S5-226286 Rel-17 CR TS 28.622 Removing reference to non-existing clause in 32.422**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0191 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: WI code spelling error on CR cover

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

**S5-226287 Rel-18 CR TS 28.622 Removing reference to non-existing clause in 32.422**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0192 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: WI code spelling error on CR cover

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

**S5-226344 Rel-17 Remove unused create link subscription attribute definition.**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0198 Cat: F (Rel-17)  
  
 Source: Ericsson Inc.*

**Discussion:**

Nokia: objects to agree the CR and would like to come back to this at the next meeting

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

**S5-226345 Rel-18 Remove unused create link subscription attribute definition.**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0199 Cat: A (Rel-18)  
  
 Source: Ericsson Inc.*

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

#### 6.3.12 PM/KPI

#### 6.3.13 Trace/MDT

**S5-226174 Rel-16 CR 32.423 Fixing the representation of the payload size in the figure for trace payload**

*Type: CR For: Agreement  
 32.423 v16.7.0 CR-0137 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226183 Rel-17 CR 32.423 Fixing the representation of the payload size in the figure for trace payload**

*Type: CR For: Agreement  
 32.423 v17.5.0 CR-0138 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226367 Rel-17 CR TS 32.422 add excess packet delay threshold for signalling-based and management-based MDT**

*Type: CR For: Agreement  
 32.422 v17.8.0 CR-0406 Cat: F (Rel-17)  
  
 Source: Huawei*

**Discussion:**

related to LSout S5-226366

Ericsson: error is actually in RAN specs, change as such is ok but we suggested a few updates

**Decision:** The document was **revised to S5-226803**.

**S5-226803 Rel-17 CR TS 32.422 add excess packet delay threshold for signalling-based and management-based MDT**

*Type: CR For: Agreement  
 32.422 v17.8.0 CR-0406 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226367)

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

**S5-226368 Rel-17 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0201 Cat: F (Rel-17)  
  
 Source: Huawei*

**Discussion:**

related to LSout S5-226366

**Decision:** The document was **revised to S5-226804**.

**S5-226804 Rel-17 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0201 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Ericsson, Nokia*

(Replaces S5-226368)

**Discussion:**

MCC: 28.622 exists in REL-18, is there a cat.A REL-18 CR?

**Decision:** The document was **revised to S5-227090**.

**S5-227064 Rel-18 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0207 Cat: A (Rel-18)  
  
 Source: Huawei, Ericsson, Nokia*

**Abstract:**

CR was only allocated during SA5 #146

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

**S5-227090 Rel-17 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT**

*Type: CR For: Agreement  
 28.622 v17.3.0 CR-0201 rev 2 Cat: F (Rel-17)  
  
 Source: Huawei, Ericsson, Nokia*

(Replaces S5-226804)

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

**S5-226369 Rel-17 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0213 Cat: F (Rel-17)  
  
 Source: Huawei*

**Discussion:**

related to LSout S5-226366

**Decision:** The document was **revised to S5-226805**.

**S5-226805 Rel-17 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0213 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei, Ericsson, Nokia*

(Replaces S5-226369)

**Discussion:**

cat.A REL-18 CR missing

**Decision:** The document was **revised to S5-227091**.

**S5-227065 Rel-18 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0219 Cat: A (Rel-18)  
  
 Source: Huawei, Ericsson, Nokia*

**Abstract:**

CR was only allocated during SA5 #146

**Decision:** The document was **revised to S5-227092**.

**S5-227091 Rel-17 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT**

*Type: CR For: Agreement  
 28.623 v17.3.1 CR-0213 rev 2 Cat: F (Rel-17)  
  
 Source: Huawei, Ericsson, Nokia*

(Replaces S5-226805)

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

**S5-227092 Rel-18 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0219 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei, Ericsson, Nokia*

(Replaces S5-227065)

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

#### 6.3.14 Other

**S5-226404 TS28.541 Rel-17 replacing Support Qualifier with S**

*Type: CR For: Agreement  
 28.541 v17.8.1 CR-0827 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: unnecessary commas in WI code field

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

**S5-226405 TS28.541 Rel-18 replacing Support Qualifier with S**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0828 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: unnecessary commas in WI code field

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

### 6.4 Intelligence and Automation

#### 6.4.1 Self-Configuration of RAN NEs

REL-18 WI RANSC

**S5-226874 TS 28.317 v0.2.0 on Management and orchestration;Self-configuration of Radio Access Network Entities (RAN NEs)**

*Type: draft TS For: Agreement  
 28.317 v0.2.0  
 Source: China Mobile*

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

##### 6.4.1.1 RANSC\_WoP#1

**S5-226362 pCR 28.317 Add Concept for RANSC**

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

**Discussion:**

Ericsson: rewording of 4.2. and 4.4 needed; naming of the spec is a bit strange (better to remove RAN NEs and add it in the scope); no need for RANSC abbreviation

Nokia: look into use cases and requirements first before we have this level of detail; e.g. what is "data requires coordination"

**Decision:** The document was **revised to S5-226807**.

**S5-226807 pCR 28.317 Add Concept for RANSC**

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

(Replaces S5-226362)

**Discussion:**

SA5 Chair: wrong Tdoc number on the Tdoc

Nokia: would have preferred to postpone this pCR

SA5 Chair: we approved this already

Huawei: we removed data handling from this already

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

**S5-226363 pCR 28.317 Use case and requirement for RANSC data handling**

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

**Discussion:**

Ericsson: who is the producer, who is the consumer? where data is stored is not a 3GPP requirement

DT: do not use "downloading"

**Decision:** The document was **revised to S5-226810**.

**S5-226810 pCR 28.317 Use case and requirement for RANSC data handling**

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

(Replaces S5-226363)

**Discussion:**

SA5 Chair: wrong Tdoc number in Tdoc

Nokia: prefers to postpone this CR to next meeting

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

**S5-226364 pCR 28.317 Usecase and requirement for Self-configuration control and monitor**

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

**Discussion:**

Ericsson: more offline discussion needed

DT: requirement 6 unclear

**Decision:** The document was **revised to S5-226811**.

**S5-226811 pCR 28.317 Usecase and requirement for Self-configuration control and monitor**

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

(Replaces S5-226364)

**Discussion:**

Ericsson: we object to this one

Huawei: had longer offline discussion with Ericsson so unclear what is the problem

**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

REL-18 WI eMDAS\_Ph2

##### 6.4.2.1 eMDAS\_Ph2\_WoP#1

**S5-226613 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 **not pursued**.

##### 6.4.2.2 eMDAS\_Ph2\_WoP#2

**S5-226184 Rel-18 CR TS 28.104 Usecase and requirements for prediction and statistics of Management data**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0022 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Samsung: CR is not following work package process, so we have not reviewed it and cannot agree to it

Nokia: it falls in WoP 2 (statistics and prediction of the existing management data)

Samsung: withdraws his comment

SA5 Chair: then please review and send comments offline if any

**Decision:** The document was **revised to S5-226737**.

**S5-226737 Rel-18 CR TS 28.104 Usecase and requirements for prediction and statistics of Management data**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0022 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226184)

**Discussion:**

converted to input to draft CR

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

**S5-227066 Input to draft CR to TS 28.104 Usecase and requirements for prediction and statistics of Management data**

*Type: other For: Approval  
 28.104 v17.1.1  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Intel: is the only input to the draft CR

Note: As this is the first input, it is actually building the latest draftCR.

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

**S5-226187 Rel-18 CR TS 28.622 CR Stage 2 definition of Prediction and Statistics of Management data**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0184 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Nokia: every vendor can use whatever information they want to do predictions (SA5 can limit implementations)

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

**S5-226738 Rel-18 CR TS 28.622 CR Stage 2 definition of Prediction and Statistics of Management data**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0184 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Nokia: will bring it back to next meeting

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

**S5-226189 Rel-18 CR TS 28.623 Stage 3 YAML changes for StatisticsJob and PredictionJobs IOC**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0207 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Nokia: will bring it back to next meeting

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

**S5-226309 DP on the use of statistics and prediction for existing KPIs**

*Type: discussion For: Discussion  
 Source: Huawei*

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

**S5-226310 Rel-18 CR 28.104 Add MDA capability for prediction of performance KPIs**

*Type: CR For: Agreement  
 28.104 v17.1.1 CR-0027 Cat: B (Rel-18)  
  
 Source: Huawei*

**Discussion:**

NEC: our comments were not addressed, so we object

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

**S5-226311 Rel-18 CR 28.554 Add a set of analytics KPIs**

*Type: CR For: Agreement  
 28.554 v17.8.0 CR-0102 Cat: B (Rel-18)  
  
 Source: Huawei*

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

**S5-226739 Rel-18 CR 28.554 Add a set of analytics KPIs**

*Type: CR For: Agreement  
 28.554 v17.8.0 CR-0102 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

**Discussion:**

Intel: has to brought back in the future

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

**S5-226630 Rel-18 Input to DraftCR 28.532 Add alarm prediction solution (stage 2)**

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

**Discussion:**

Intel: has to brought back in the future

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

##### 6.4.2.3 eMDAS\_Ph2\_WoP#3

##### 6.4.2.4 eMDAS\_Ph2\_WoP#4

##### 6.4.2.5 eMDAS\_Ph2\_WoP#5

##### 6.4.2.6 eMDAS\_Ph2\_WoP#6

##### 6.4.2.7 eMDAS\_Ph2\_WoP#7

### 6.5 Management Architecture and Mechanisms

#### 6.5.1 Network slicing provisioning rules

REL-18 WI NSRULE

##### 6.5.1.1 NSRULE\_WoP#1

**S5-226582 Rel-18 CR 28.531 Specify network slicing provisioning rules requirements**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0832 Cat: B (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Abstract:**

related to S5-226567/6582

**Discussion:**

MCC: CR was requested to be for 28.541 but on the CR cover and in the CR title it talks about 28.531; the CR number was allocated for 28.541 and the CR number can not be reused for a different spec; CR has to be set to "not pursued" and either a new Tdoc/CR number is allocated or a corresponding correctly allocated Tdoc can be submitted to a future SA5 meeting

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

**S5-226827 Rel-18 CR 28.531 Specify network slicing provisioning rules requirements**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0162 Cat: B (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Abstract:**

new allocated Tdoc for the CR which was planned in S5-226582

**Discussion:**

Nokia: we do not agree to this CR

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

##### 6.5.1.2 NSRULE\_WoP#2

**S5-226106 Rel-18 CR TS 28.541 Add NRM for network slice isolation**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0799 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226828 Rel-18 CR TS 28.541 Add NRM for network slice isolation**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0799 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226107 Rel-18 CR TS 28.530 Add network slice isolation use case and requirements**

*Type: CR For: Agreement  
 28.530 v17.3.0 CR-0054 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: wrong spec version on CR cover

**Decision:** The document was **revised to S5-226567**.

**S5-226567 Rel-18 CR TS 28.530 Add network slice isolation use case and requirements**

*Type: CR For: Agreement  
 28.530 v17.3.0 CR-0054 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226107)

**Discussion:**

MCC: wrong spec version on CR cover

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

**S5-226666 Rel-18 CR TS 28.530 Add network slice isolation use case and requirements**

*Type: CR For: Agreement  
 28.530 v17.3.0 CR-0054 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226583 Rel-18 CR 28.541 Add network slice rules to NRM**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0833 Cat: B (Rel-18)  
  
 Source: L.M. Ericsson Limited*

**Discussion:**

Huawei: related to S5-226582

**Decision:** The document was **revised to S5-226829**.

**S5-226829 Rel-18 CR 28.541 Add network slice rules to NRM**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0833 rev 1 Cat: B (Rel-18)  
  
 Source: L.M. Ericsson Limited*

(Replaces S5-226583)

**Discussion:**

Nokia: we do not agree to this CR, sharing group concept not acceptable

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

#### 6.5.2 Additional NRM features phase 2

REL-18 WI AdNRM\_ph2

**S5-227086 Draft CR for TS 28.622 for Rel-18 WI AdNRM\_ph2**

*Type: draftCR For: Approval  
 28.622 v18.0.0  
 Source: Nokia*

**Abstract:**

Latest approved draftCR from previous meeting(s): S5-225619;

approved input(s) to DraftCR: S5 226823

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

**S5-227087 Draft CR for TS 28.623 for Rel-18 WI AdNRM\_ph2**

*Type: draftCR For: Approval  
 28.623 v18.0.2  
 Source: Nokia*

**Abstract:**

Latest approved draftCR from previous meeting(s): S5-225824;

approved input(s) to DraftCR: S5 226542

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

##### 6.5.2.1 AdNRM\_ph2\_WoP#1

##### 6.5.2.2 AdNRM\_ph2\_WoP#2

##### 6.5.2.3 AdNRM\_ph2\_WoP#3

**S5-226291 Revised WID on Additional NRM features phase 2**

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

**Discussion:**

Huawei: better to treat discussion papers first

Nokia: 28.622 issue is not related to this; generic should not be radio specific; we should look at the contents first (and less where to put it)

Huawei: proposes to postpone this document

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

**S5-226279 Rel-18 DP on Introduction of Stage 2 Common Data Type Definitions**

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

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

**S5-226290 Rel-18 pCR 28.xxx Add some common data type definitions**

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

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

**S5-226380 Revised WID for Additional NRM features phase 2**

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

(Replaces S5-225194)

**Abstract:**

moved from AI 6.2 to AI 6.5.2.3

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

**S5-226381 DP on structure proposal for new generic NRM specification**

*Type: discussion For: Endorsement  
 Source: Huawei*

(Replaces S5-225195)

**Abstract:**

moved from AI 6.2 to AI 6.5.2.3

**Decision:** The document was **revised to S5-226996**.

**S5-226996 DP on structure proposal for new generic NRM specification**

*Type: discussion For: Endorsement  
 Source: Huawei*

(Replaces S5-226381)

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

**S5-226283 Rel-18 Draft Skeleton for TS on Common data type definitions**

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

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

**S5-226284 Rel-18 pCR 28.xxx Add introduction to TS on Common data type definitions**

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

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

**S5-226089 CR to TS 28.541 Rel-18 NRM enhancements for AUSFFunction**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0787 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

moved from AI 6.5.2.4 to AI 6.5.2.3

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

**S5-226090 CR to TS 28.541 Rel-18 NRM enhancements for NEFFunction**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0788 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-227014**.

**S5-227014 CR to TS 28.541 Rel-18 NRM enhancements for NEFFunction**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0788 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226090)

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

**S5-226091 CR to TS 28.541 Rel-18 NRM enhancements for NSACFFunction**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0789 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

moved from AI 6.5.2.4 to AI 6.5.2.3

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

**S5-226092 TS28.541 Rel-18 NRM enhancements for NWDAFFunction**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0790 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: Tdoc number missing on CR cover

**Decision:** The document was **revised to S5-226650**.

**S5-226650 TS28.541 Rel-18 NRM enhancements for NWDAFFunction**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0790 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226092)

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

**S5-226093 TS28.541 Rel-18 NRM enhancements for SCPFunction**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0791 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

moved from AI 6.5.2.4 to AI 6.5.2.3

**Discussion:**

Huawei: adding PLMid shouldnot be part of the CR

**Decision:** The document was **revised to S5-226815**.

**S5-226815 TS28.541 Rel-18 NRM enhancements for SCPFunction**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0791 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226093)

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

**S5-226094 TS28.541 Rel-18 NRM enhancements for SEPPFunction**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0792 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

moved from AI 6.5.2.4 to AI 6.5.2.3

**Discussion:**

MCC: Tdoc number missing on CR cover

**Decision:** The document was **revised to S5-226651**.

**S5-226651 TS28.541 Rel-18 NRM enhancements for SEPPFunction**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0792 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226094)

**Abstract:**

moved from AI 6.5.2.4 to AI 6.5.2.3

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

**S5-226095 TS28.541 Rel-18 NRM enhancements for UDSFFunction**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0793 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

moved from AI 6.5.2.4 to AI 6.5.2.3

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

**S5-226096 TS28.623 Rel-18 NRM enhancements for NFType list**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0197 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

moved from AI 6.5.2.4 to AI 6.5.2.3

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

**S5-226164 Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0823 Cat: B (Rel-18)  
  
 Source: Huawei*

**Discussion:**

MCC: WI code spelling error on CR cover, CR has no consequences if not approved

SA5 Chair: is a cat.B CR so not needed

**Decision:** The document was **revised to S5-226653**.

**S5-226653 Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0823 rev 1 Cat: B (Rel-18)  
  
 Source: Huawei*

(Replaces S5-226164)

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

**S5-226382 TS28.541 Rel-18 NRM enhancements for Tai**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0826 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226817 TS28.541 Rel-18 NRM enhancements for Tai**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0826 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226336 Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2)**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0753 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-225120)

**Abstract:**

moved from AI 6.5.2.4 to AI 6.5.2.3

**Discussion:**

MCC: wrong rev number on CR cover, wrong spec version on CR cover

**Decision:** The document was **revised to S5-226654**.

**S5-226654 Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2)**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0753 rev 2 Cat: C (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-226336)

**Abstract:**

moved from AI 6.5.2.4 to AI 6.5.2.3

**Discussion:**

MCC: rev number missing

**Decision:** The document was **revised to S5-227067**.

**S5-227067 Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2)**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0753 rev 3 Cat: C (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-226654)

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

**S5-226337 Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG)**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0754 rev 1 Cat: C (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-225121)

**Abstract:**

moved from AI 6.5.2.4 to AI 6.5.2.3

**Discussion:**

MCC: wrong rev number on CR cover, WI code spelling error on CR cover, wrong spec version on CR cover

Ericsson: has a related Tdoc in S5-226351

**Decision:** The document was **revised to S5-226655**.

**S5-226655 Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG)**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0754 rev 2 Cat: C (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-226337)

**Discussion:**

MCC: rev number missing

Nokia: objecting to the CR, note in 4.2.1, text 5.3.7.5

**Decision:** The document was **revised to S5-227068**.

**S5-227068 Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG)**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0754 rev 3 Cat: C (Rel-18)  
  
 Source: Ericsson Inc.*

(Replaces S5-226655)

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

**S5-226361 Discussion Paper on QoS enhancement in NRM**

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

**Discussion:**

Ericsson: has a related Tdoc in S5-226351

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

**S5-226818 Discussion Paper on QoS enhancement in NRM**

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

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

**S5-226537 Rel-18 CR 28.541 Fix vague issues in EP\_Transport**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0830 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Discussion:**

Samsung: can withdraw change for 3rd bullet

Nokia: can not agree to the CR; Tdoc is going more and more in TM domain which we think has to be avoided

**Decision:** The document was **revised to S5-226821**.

**S5-226821 Rel-18 CR 28.541 Fix vague issues in EP\_Transport**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0830 rev 1 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-226537)

**Discussion:**

Nokia: does not support to go into TM domain, so we object

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

**S5-226545 DP on connecting subnet with EP\_RP directly**

*Type: discussion For: Endorsement  
 28.541 v..  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-226819**.

**S5-226819 DP on connecting subnet with EP\_RP directly**

*Type: discussion For: Endorsement  
 28.541 v..  
 Source: Samsung R&D Institute India*

(Replaces S5-226545)

**Discussion:**

Nokia: does not support to go into TM domain, so we object to this

Samsung: there is no transport there; EP transport is not touched

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

**S5-226546 Rel-18 CR 28.541 on connecting subnet with EP\_RP directly**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0831 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-226820**.

**S5-226820 Rel-18 CR 28.541 on connecting subnet with EP\_RP directly**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0831 rev 1 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-226546)

**Discussion:**

Nokia: does not support to go into TM domain, so we object to this

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

**S5-226638 Rel-18 CR 28.541 Fix vague issues in EP\_Transport Stage 3**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0849 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Discussion:**

MCC: Proposed change affects boxes not ticked

**Decision:** The document was **revised to S5-226676**.

**S5-226676 Rel-18 CR 28.541 Fix vague issues in EP\_Transport Stage 3**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0849 rev 1 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-226638)

**Discussion:**

Nokia: does not support to go into TM domain, so we object to this

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

**S5-226640 Rel-18 CR 28.541 on connecting subnet with EP\_RP directly Stage3**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0851 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-226822**.

**S5-226822 Rel-18 CR 28.541 on connecting subnet with EP\_RP directly Stage3**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0851 rev 1 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-226640)

**Discussion:**

Nokia: does not support to go into TM domain, so we object to this

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

**S5-226541 Rel-18 Input to DraftCR 28.622 Clarify pointer to ConditionMonitor**

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

**Decision:** The document was **revised to S5-226823**.

**S5-226823 Rel-18 Input to DraftCR 28.622 Clarify pointer to ConditionMonitor**

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

(Replaces S5-226541)

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

**S5-226542 Rel-18 Input to DraftCR 28.623 Clarify pointer to ConditionMonitor**

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

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

##### 6.5.2.4 AdNRM\_ph2\_WoP#4

#### 6.5.3 Enhanced Edge Computing Management

REL-18 WI eECM

**S5-227088 Draft CR for TS 28.538 for Rel-18 WI eECM**

*Type: draftCR For: Approval  
 28.538 v18.0.1  
 Source: Samsung*

**Abstract:**

Latest approved draftCR from previous meeting(s): S5-225858;

approved input(s) to DraftCR: S5 226312

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

##### 6.5.3.1 eECM\_WoP#1

**S5-226520 Discussion Paper on including EW bound interface into eECM**

*Type: discussion For: Endorsement  
 28.538 v..  
 Source: Samsung R&D Institute India*

**Abstract:**

moved from AI 6.2 to AI 6.5.3.1

**Discussion:**

Ericsson: relation to GST NEST?

Samsung: no relation

Samsung: do we send a reply to GSMA or SA that we will look into it? target of the LSout should be SA now and cc: SA6

Telefonica: work is in the scope of SA5, normative solution in REL-18 is needed

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

**S5-226812 Discussion Paper on including EW bound interface into eECM**

*Type: discussion For: Endorsement  
 28.538 v..  
 Source: Samsung R&D Institute India*

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

**S5-226523 Updated WID on enhanced Edge Computing Management**

*Type: WID revised For: Agreement  
 Source: Samsung R&D Institute India*

**Abstract:**

moved from AI 6.2 to AI 6.5.3.1

**Discussion:**

DT: charging aspect of EDGE computing will be handled in CH SWG?

Samsung: these are just related WIs/SIs

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

**S5-226229 Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0187 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

**Discussion:**

Huawei: we object, comments were not addressed

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

**S5-226230 Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0208 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

**Discussion:**

Huawei: we object, comments were not addressed

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

**S5-226232 Rel-18 CR 28.552 Add EEC registration related measurements**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0387 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

**Discussion:**

Ericsson: subcounter and measurement mixed

**Decision:** The document was **revised to S5-226813**.

**S5-226813 Rel-18 CR 28.552 Add EEC registration related measurements**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0387 rev 1 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

(Replaces S5-226232)

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

**S5-226233 Rel-18 CR 28.552 Add EEC request rate measurements**

*Type: CR For: Agreement  
 28.538 v18.0.1 CR-0022 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

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

**S5-226234 Rel-18 CR 28.538 Add EEC request rate measurements**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0388 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

**Discussion:**

further offline discussion

finally revised to include Ericsson comment

**Decision:** The document was **revised to S5-226893**.

**S5-226893 Rel-18 CR 28.538 Add EEC request rate measurements**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0388 rev 1 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

(Replaces S5-226234)

**Discussion:**

Ericsson: objects, our comments were not addressed

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

**S5-226312 Rel-18 InputToDraftCR 28.538 adding attributes in EASRequirements**

*Type: other For: Approval  
 28.538 v..  
 Source: Huawei*

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

**S5-226231 Rel-18 CR 28.538 Add editorial changes**

*Type: CR For: Agreement  
 28.538 v18.0.1 CR-0021 Cat: B (Rel-18)  
  
 Source: Intel Korea, Ltd.*

**Discussion:**

MCC: CR cat. unclear (B or F?)

**Decision:** The document was **revised to S5-226915**.

**S5-226915 Rel-18 CR 28.538 Add editorial changes**

*Type: CR For: Agreement  
 28.538 v18.0.1 CR-0021 rev 1 Cat: F (Rel-18)  
  
 Source: Intel Korea, Ltd.*

(Replaces S5-226231)

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

##### 6.5.3.2 eECM\_WoP#2

**S5-226387 DP on GSMA NBI Requirements**

*Type: discussion For: Endorsement  
 28.538 v..  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-226814**.

**S5-226814 DP on GSMA NBI Requirements**

*Type: discussion For: Endorsement  
 28.538 v..  
 Source: Samsung R&D Institute India*

(Replaces S5-226387)

**Discussion:**

Intel: objects to endorse, 2.1 federated OP is not in the scope

**Decision:** The document was **revised to S5-227069**.

**S5-227069 DP on GSMA NBI Requirements**

*Type: discussion For: Endorsement  
 28.538 v..  
 Source: Samsung R&D Institute India*

(Replaces S5-226814)

**Discussion:**

endorsed unseen

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

**S5-226388 Rel-18 InputToDraftCR 28.538 NBI support**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-226816**.

**S5-226816 Rel-18 InputToDraftCR 28.538 NBI support**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute India*

(Replaces S5-226388)

**Discussion:**

Huawei: objects, QoS requirement not reasonable

Samsung: fine to remove QoS aspect; did not comments on this until Fri

Huawei: proposes to bing it back next time

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

**S5-226516 Rel-18 InputToDraftCR 28.538 NBI support QoS**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute India*

**Discussion:**

Huawei: has a problem with this

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

**S5-226631 InputToDraftCR 28.538 NBI support Stage3**

*Type: CR For: Agreement  
 28.538 v18.0.1 CR-0023 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Discussion:**

MCC: Proposed change affects boxes not ticked

**Decision:** The document was **revised to S5-226674**.

**S5-226674 InputToDraftCR 28.538 NBI support Stage3**

*Type: CR For: Agreement  
 28.538 v18.0.1 CR-0023 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-226631)

**Discussion:**

Samsung: if Huawei objected to stage 2, they should also to stage 3

Huawei: yes, we object

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

**S5-226632 InputToDraftCR 28.538 NBI support QoS Stage3**

*Type: CR For: Agreement  
 28.538 v18.0.1 CR-0024 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Discussion:**

MCC: Proposed change affects boxes not ticked

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

**S5-226675 InputToDraftCR 28.538 NBI support QoS Stage3**

*Type: CR For: Agreement  
 28.538 v18.0.1 CR-0024 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India*

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

**S5-226529 Rel-18 InputToDraftCR 28.538 Availability Zone**

*Type: other For: Agreement  
 28.538 v..  
 Source: Samsung R&D Institute India*

**Discussion:**

Huawei: objects to this as we discussed only the discussion paper

Samsung: complains that Tdoc was not commented on on Tue and on Friday Huawei objects via remote delegate

Ericsson: during Tue we discussed the discussion paper, we also had some comments

Huawei: all comments were submitted to the discussion paper

Samsung: the comments were addressed in the discussion paper

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

##### 6.5.3.3 eECM\_WoP#3

#### 6.5.4 Enhancement of QoE Measurement Collection

REL-18 WI eQoE

##### 6.5.4.1 eQoE\_WoP#1

**S5-226576 Rel-18 CR 28.622 jobID for QMCJob**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0205 Cat: C (Rel-18)  
  
 Source: Nokia*

**Abstract:**

Adds jobID to QMCJob

**Discussion:**

MCC: Proposed change affects boxes not ticked

**Decision:** The document was **revised to S5-226672**.

**S5-226672 Rel-18 CR 28.622 jobID for QMCJob**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0205 rev 1 Cat: C (Rel-18)  
  
 Source: Nokia*

(Replaces S5-226576)

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

##### 6.5.4.2 eQoE\_WoP#2

**S5-226568 R18 CR 28623 Definition of parameters MDT Alignment Information and Available RAN Visible QoE Metrics (stage3, YANG)**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0215 Cat: B (Rel-18)  
  
 Source: Ericsson Inc.*

**Abstract:**

moved from AI 6.5.4.1 to AI 6.5.4.2

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

**S5-226617 R18 CR 28622 Definition of parameters MDT Alignment Information and Available RAN Visible QoE Metrics**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0206 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

moved from AI 6.5.4.1 to AI 6.5.4.2

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

**S5-226618 R18 CR 286405 Add MDT alignment Information and RAN visible QoE Metrics to Handling QMC at Handover**

*Type: CR For: Agreement  
 28.405 v18.0.0 CR-0019 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Abstract:**

moved from AI 6.5.4.1 to AI 6.5.4.2

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

**S5-226620 R18 CR 28405 Definition of parameters MDT Alignment Information and Available RAN Visible QoE Metrics**

*Type: CR For: Agreement  
 28.405 v18.0.0 CR-0021 Cat: B (Rel-18)  
  
 Source: Ericsson*

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

**S5-226575 Rel-18 CR 28.405 Management based activation in NR correction for SBMA**

*Type: CR For: Agreement  
 28.405 v18.0.0 CR-0018 Cat: F (Rel-18)  
  
 Source: Nokia*

**Abstract:**

Corrects Management based activation in NR to use SBMA terminology. Moved from AI 6.5.4.1 to AI 6.5.4.2

**Discussion:**

MCC: Proposed change affects boxes not ticked

Nokia: overlap with S5-226619

**Decision:** The document was **revised to S5-226671**.

**S5-226671 Rel-18 CR 28.405 Management based activation in NR correction for SBMA**

*Type: CR For: Agreement  
 28.405 v18.0.0 CR-0018 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Ericsson*

(Replaces S5-226575)

**Abstract:**

moved from AI 6.5.4.1 to AI 6.5.4.2

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

**S5-226619 R18 CR 28.405 Align Management Based Activation for NR with SBMA and add Available RAN Visible QoE Metrics and MDT Alignment information to align with RAN**

*Type: CR For: Agreement  
 28.405 v18.0.0 CR-0020 Cat: B (Rel-18)  
  
 Source: Ericsson*

**Discussion:**

will be merged in S5-226671

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

**S5-226621 R18 Discussion on Excess Packet Delay threshold for M6**

*Type: discussion For: Endorsement  
 Source: Ericsson*

**Abstract:**

related to LSout S5-226622

**Discussion:**

Huawei: related to LS from RAN3 (S5-226622) and we support this Tdoc

conclusion: just revised to add Huawei as co-sourcing company

**Decision:** The document was **revised to S5-226830**.

**S5-226830 R18 Discussion on Excess Packet Delay threshold for M6**

*Type: discussion For: Endorsement  
 Source: Ericsson, Huawei*

(Replaces S5-226621)

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

#### 6.5.5 Access control for management service

REL-18 WI MSAC

##### 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

**S5-226402 Revised WID for Access control for management service**

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

**Abstract:**

moved from AI 6.2 to AI 6.5.5.4

**Discussion:**

Ericsson: why does expanding the scope of the WID will help? Creating a new TS will not help us to progress

Samsung: new TS will get contents from which TSs? Please add this under remarks.

Huawei: impacted specs table is empty but contents will be moved from some specs into the new TS

ZTE: typo: polices should say policies

**Decision:** The document was **revised to S5-226839**.

**S5-226839 Revised WID for Access control for management service**

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

(Replaces S5-226402)

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

**S5-226540 Rel-18 Draft Skeleton for TS on Access control for management service**

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

**Discussion:**

MCC: revised WID S5-226839 has no new TS

Nokia: plans to have a draft CR 25.533 instead

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

**S5-226952 Rel-18 InputToDraftCR 28.533 on Access control for management service**

*Type: other For: Agreement  
 28.533 v..  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Samsung: need to be revised to include our comments

**Decision:** The document was **revised to S5-227070**.

**S5-227070 Rel-18 InputToDraftCR 28.533 on Access control for management service**

*Type: other For: Agreement  
 28.533 v..  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226952)

**Discussion:**

Note: As this is the first input, it is actually building the latest draftCR.

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

**S5-226544 Rel-18 pCR 28.xxx Add usecases and requirement for management service access control**

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

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

**S5-226840 Rel-18 pCR 28.xxx Add usecases and requirement for management service access control**

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

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

#### 6.5.6 5G performance measurements and KPIs phase 3

REL-18 WI PM\_KPI\_5G\_Ph3

##### 6.5.6.1 PM\_KPI\_5G\_Ph3\_WoP#1

**S5-226081 Identification of the Bursts on PDCP SDU Level in CU UP**

*Type: discussion For: Endorsement  
 28.552 v..  
 Source: Nokia Denmark*

**Discussion:**

Ericsson: we think there are some flaws in the assumptions

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

**S5-226841 Identification of the Bursts on PDCP SDU Level in CU UP**

*Type: discussion For: Endorsement  
 28.552 v..  
 Source: Nokia Denmark*

**Abstract:**

was originally intended to be a revision of S5-226081

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

**S5-226087 New measurement “Mean interruption time interval for 5QI 1 QoS Flow released due to double NG (double UE context)”.**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0385 Cat: B (Rel-18)  
  
 Source: Nokia Denmark*

**Discussion:**

MCC: blank in Tdoc number on CR cover is not allowed

Ericsson: has offline comments to this and the related to S5-226536

**Decision:** The document was **revised to S5-226842**.

**S5-226842 New measurement “Mean interruption time interval for 5QI 1 QoS Flow released due to double NG (double UE context)”.**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0385 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia Denmark*

(Replaces S5-226087)

**Discussion:**

MCC: rev number missing

**Decision:** The document was **revised to S5-227071**.

**S5-227071 New measurement “Mean interruption time interval for 5QI 1 QoS Flow released due to double NG (double UE context)”.**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0385 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia Denmark*

(Replaces S5-226842)

**Discussion:**

agreed unseen

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

**S5-226517 CR TS28.554 Add new KPI on average air-interface efficiency**

*Type: CR For: Agreement  
 28.554 v17.8.0 CR-0104 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Abstract:**

late Tdoc

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

**S5-226522 CR TS28.552 Add new measurement on Packet Loss Rate**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0394 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Discussion:**

MCC: CR number missing on CR cover, WI code spelling error on CR cover

Samsung: "delay threshold in time period T" is unclear; can be achieved by existing measurement of 38.314

**Decision:** The document was **revised to S5-226662**.

**S5-226662 CR TS28.552 Add new measurement on Packet Loss Rate**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0394 rev 1 Cat: B (Rel-18)  
  
 Source: China Unicom*

(Replaces S5-226522)

**Discussion:**

MCC: rev number, rev marks on CR cover

Samsung: CR needs more discussion

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

##### 6.5.6.2 PM\_KPI\_5G\_Ph3\_WoP#2

**S5-226519 CR TS28.552 Rel-17 Correction of Wideband CQI distribution**

*Type: CR For: Agreement  
 28.552 v17.8.0 CR-0392 Cat: A (Rel-17)  
  
 Source: China Unicom*

**Discussion:**

MCC: CR number missing on CR cover, CR has no consequences if not approved, WI code spelling error on CR cover

SA5 Chair: CR cat. shall be F

**Decision:** The document was **revised to S5-226660**.

**S5-226660 CR TS28.552 Rel-17 Correction of Wideband CQI distribution**

*Type: CR For: Agreement  
 28.552 v17.8.0 CR-0392 rev 1 Cat: F (Rel-17)  
  
 Source: China Unicom*

(Replaces S5-226519)

**Discussion:**

SA5 Chair: other specs affected not ticked

China Unicom: no other O&M spec affected

**Decision:** The document was **revised to S5-227072**.

**S5-227072 CR TS28.552 Rel-17 Correction of Wideband CQI distribution**

*Type: CR For: Agreement  
 28.552 v17.8.0 CR-0392 rev 2 Cat: F (Rel-17)  
  
 Source: China Unicom*

(Replaces S5-226660)

**Discussion:**

agreed unseen

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

**S5-226521 CR TS28.552 Rel-18 Correction of Wideband CQI distribution**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0393 Cat: A (Rel-18)  
  
 Source: China Unicom*

**Abstract:**

moved from AI 6.5.6.1 to AI 6.5.6.2

**Discussion:**

MCC: CR number missing on CR cover, CR has no consequences if not approved, WI code spelling error on CR cover

**Decision:** The document was **revised to S5-226661**.

**S5-226661 CR TS28.552 Rel-18 Correction of Wideband CQI distribution**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0393 rev 1 Cat: A (Rel-18)  
  
 Source: China Unicom*

(Replaces S5-226521)

**Abstract:**

moved from AI 6.5.6.1 to AI 6.5.6.2

**Discussion:**

SA5 Chair: other O&M specs affected box not ticked

**Decision:** The document was **revised to S5-227073**.

**S5-227073 CR TS28.552 Rel-18 Correction of Wideband CQI distribution**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0393 rev 2 Cat: A (Rel-18)  
  
 Source: China Unicom*

(Replaces S5-226661)

**Discussion:**

agreed unseen

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

**S5-226536 CR TS28.554 Add new KPI on average air-interface efficiency for NRCellDU**

*Type: CR For: Agreement  
 28.554 v17.8.0 CR-0105 Cat: B (Rel-18)  
  
 Source: China Unicom*

**Abstract:**

moved from AI 6.5.6.1 to AI 6.5.6.2

**Discussion:**

MCC: wrong Tdoc number on CR cover, missing CR number on CR cover, WI code spelling error on CR cover, CR has no consequences if not approved

Ericsson: measurements are so sensitive to UE location so average cell quality would be incorrect

**Decision:** The document was **revised to S5-226665**.

**S5-226665 CR TS28.554 Add new KPI on average air-interface efficiency for NRCellDU**

*Type: CR For: Agreement  
 28.554 v17.8.0 CR-0105 rev 1 Cat: B (Rel-18)  
  
 Source: China Unicom*

(Replaces S5-226536)

**Abstract:**

moved from AI 6.5.6.1 to AI 6.5.6.2

**Discussion:**

MCC: rev marks on CR cover, CR number has to have 4 digits, rev number missing, other specs affected box not ticked

**Decision:** The document was **revised to S5-227074**.

**S5-227074 CR TS28.554 Add new KPI on average air-interface efficiency for NRCellDU**

*Type: CR For: Agreement  
 28.554 v17.8.0 CR-0105 rev 2 Cat: B (Rel-18)  
  
 Source: China Unicom*

(Replaces S5-226665)

**Discussion:**

agreed unseen

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

**S5-226185 Rel-18 CR TS 28.552 Renaming MRO counters from Intra/Inter System to Intra/Inter RAT**

*Type: CR For: Agreement  
 28.552 v18.0.0 CR-0386 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

MCC: CR cat. unclear (B or C?)

Ericsson: could be part of LSout S5-226191 as a proposal

SA5 Chair (Ericsson): better to not include a CR but just the text (since the CR is not SA5 agreed/SA approved) in the LSout as a proposal; so the CR S5-226185 as such is not pursued but we include the text in the LSout

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

##### 6.5.6.3 PM\_KPI\_5G\_Ph3\_WoP#3

#### 6.5.7 Methodology for deprecation

REL-18 WI OAM\_MetDep

##### 6.5.7.1 OAM\_MetDep\_ WoP#1

**S5-226169 Deprecating model elements**

*Type: CR For: Agreement  
 32.156 v17.1.0 CR-0045 Cat: B (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

**Discussion:**

SA5 VC (Huawei): example on how to use it?

Ericsson: is in the other document

Nokia: do we use the term "model element"?

SA5 VC (Huawei): can discuss this offline

conclusion: note in 5.2.A.1 will be removed

**Decision:** The document was **revised to S5-226806**.

**S5-226806 Deprecating model elements**

*Type: CR For: Agreement  
 32.156 v17.1.0 CR-0045 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

(Replaces S5-226169)

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

**S5-226192 Deprecating model elements**

*Type: CR For: Agreement  
 32.160 v17.5.0 CR-0031 Cat: B (Rel-18)  
  
 Source: Ericsson Hungary Ltd*

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

### 6.6 Support of New Services

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

REL-18 WI EE5GPLUS\_Ph2

##### 6.6.1.1 EE5GPLUS\_Ph2\_WoP#1

**S5-226293 Rel-18 CR TS 28.310 Add Energy Saving compensation procedure**

*Type: CR For: Agreement  
 28.310 v17.4.0 CR-0022 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Huawei: there is a pCR in the SI for this; so we need to keep it open

Ericsson: "capability to support" is unclear

**Decision:** The document was **revised to S5-226783**.

**S5-226783 Rel-18 CR TS 28.310 Add Energy Saving compensation procedure**

*Type: CR For: Agreement  
 28.310 v17.4.0 CR-0022 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226293)

**Discussion:**

SA5 Chair: rev marks on CR cover and wrong rev

**Decision:** The document was **revised to S5-227075**.

**S5-227075 Rel-18 CR TS 28.310 Add Energy Saving compensation procedure**

*Type: CR For: Agreement  
 28.310 v17.4.0 CR-0022 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Huawei*

(Replaces S5-226783)

**Discussion:**

agreed unseen

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

##### 6.6.1.2 EE5GPLUS\_Ph2\_WoP#2

#### 6.6.2 Network slice provisioning enhancement

REL-18 WI eNETSLICE\_PRO

##### 6.6.2.1 eNETSLICE\_PRO\_WoP#1

**S5-226110 Rel-18 CR TS28.622 Add abstract IOC Controller\_ to support asynchronous LCM operations**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0179 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

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

**S5-226894 Rel-18 CR TS28.622 Add abstract IOC Controller\_ to support asynchronous LCM operations**

*Type: CR For: Agreement  
 28.622 v18.0.0 CR-0179 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

**Discussion:**

Nokia: need to continue discussion until next meeting

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

**S5-226132 Rel-18 CR TS 28.623 Add stage 3 for abstract IOC Controller\_**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0201 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Huawei: need to agree stage 2 first

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

**S5-226383 Rel-18 CR TS 28.623 Add stage 3 for data type AvailabilityStatus**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0214 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

is a stage 3 CR related to S5-226108

**Discussion:**

MCC: wrong Tdoc number on CR cover

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

**S5-226656 Rel-18 CR TS 28.623 Add stage 3 for data type AvailabilityStatus**

*Type: CR For: Agreement  
 28.623 v18.0.2 CR-0214 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226530 Rel-18 CR 28.531 Update procedures and operations to support asynchronous mode of operation**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0152 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Discussion:**

MCC: Proposed change affects boxes not ticked

**Decision:** The document was **revised to S5-226663**.

**S5-226663 Rel-18 CR 28.531 Update procedures and operations to support asynchronous mode of operation**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0152 rev 1 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-226530)

**Discussion:**

Nokia: objects

MCC: proposed change affects boxes still not ticked

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

**S5-226531 Rel-18 CR 28.541 adding processMonitor in NetworkSlice and NetworkSliceSubnet**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0829 Cat: B (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Discussion:**

further offline discussion

Ericsson: can not be aligned with S5-226110 so we object to it; has other solution (S50226057?)

Nokia: objects to it

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

**S5-226108 Rel-18 CR TS28.541 Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0800 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226557**.

**S5-226557 Rel-18 CR TS28.541 Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0800 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

(Replaces S5-226108)

**Abstract:**

Updating Ericsson as co-signer

**Discussion:**

Samsung: not comfortable with the solution in the context of S5-226110

Huawei: worried to have duplicated service profile

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

**S5-226895 Rel-18 CR TS28.541 Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0800 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

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

**S5-226109 Rel-18 CR TS28.531 Procedures to support asynchronous Network Slice LCM operations**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0145 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226560**.

**S5-226560 Rel-18 CR TS28.531 Procedures to support asynchronous Network Slice LCM operations**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0145 rev 1 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

(Replaces S5-226109)

**Abstract:**

Updating Ericsson as co-signer

**Discussion:**

Samsung: will not support having competing standards

Ericsson: does not think they are competing, rather complementary

Samsung: they are addressing the same problem and SA5 should decide for one solution only

Samsung: open API definition was added in clause 9

Nokia: clause 9 does not have open API definition

SA5 Chair (Ericsson): please check offline

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

**S5-226896 Rel-18 CR TS28.531 Procedures to support asynchronous Network Slice LCM operations**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0145 rev 2 Cat: B (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson*

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

**S5-226639 Rel-18 CR 28.541 adding processMonitor in NetworkSlice and NetworkSliceSubnet Stage3**

*Type: CR For: Agreement  
 28.541 v18.1.2 CR-0850 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Discussion:**

Nokia: this is stage 3 related to S5-226531

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

**S5-226578 Rel-17 CR TS 28.531 Add missing use case and requirement for capability class**

*Type: CR For: Agreement  
 28.531 v17.5.0 CR-0155 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Discussion:**

MCC: wrong REL and version in 3GU? (eNETSLICE\_PRO is a REL-18 WI and 28.531 exists already in v18.0.0)

**Decision:** The document was **revised to S5-226897**.

**S5-226897 Rel-17 CR TS 28.531 Add missing use case and requirement for capability class**

*Type: CR For: Agreement  
 28.531 v17.5.0 CR-0155 rev 1 Cat: F (Rel-17)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

(Replaces S5-226578)

**Discussion:**

SA5 Chair (Ericsson): SA decided to shift eNETSLICE\_PRO from REL-17 to REL-18 and we take now TEI18 for the REL-17 CR

MCC: normally, when you shift a WI from REL-x to REL-x+1, then the functionality has to be removed from REL-x

SA5 Chair (Ericsson): this did not happen for this WI

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

**S5-226577 Rel-18 CR TS 28.531 Add missing use case and requirement for capability class**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0154 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Discussion:**

WI code to be corrected to REL-17 WI

Nokia: requirement is not correct (not capabilities of the provider but of the subnet are considered here)

Huawei: provider is correct (was discussed for a year)

**Decision:** The document was **revised to S5-226898**.

**S5-226898 Rel-18 CR TS 28.531 Add missing use case and requirement for capability class**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0154 rev 1 Cat: A (Rel-18)  
  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

(Replaces S5-226577)

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

**S5-226406 Rel-18 CR 28.531 Adding a requirement for network slice provisioning service**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0151 Cat: A (Rel-18)  
  
 Source: CMDI*

**Abstract:**

Add a requirement for network slice provisioning service agreed in R17 version.

**Discussion:**

MCC: CR number missing on CR cover (eNETSLICE\_PRO is a REL-18 WI and 28.531 exists already in v18.0.0)

SA5 chair: CR cat. is wrong

Nokia: we do not agree to this Tdoc

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

**S5-226658 Rel-18 CR 28.531 Adding a requirement for network slice provisioning service**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0151 rev 1 Cat: F (Rel-18)  
  
 Source: CMDI*

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

**S5-226386 Rel-18 CR 28.531 Fixing provisioning data reporting service**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0150 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Discussion:**

MCC: Proposed change affects boxes not ticked

**Decision:** The document was **revised to S5-226657**.

**S5-226657 Rel-18 CR 28.531 Fixing provisioning data reporting service**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0150 rev 1 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-226386)

**Discussion:**

SA5 Chair: wrong Tdoc and rev number

**Decision:** The document was **revised to S5-227076**.

**S5-227076 Rel-18 CR 28.531 Fixing provisioning data reporting service**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0150 rev 2 Cat: F (Rel-18)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-226657)

**Discussion:**

agreed unseen

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

##### 6.6.2.2 eNETSLICE\_PRO\_WoP#2

**S5-226535 Rel-18 CR 28.531 deleting allocate network**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0153 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute India*

**Discussion:**

MCC: Proposed change affects boxes not ticked

**Decision:** The document was **revised to S5-226664**.

**S5-226664 Rel-18 CR 28.531 deleting allocate network**

*Type: CR For: Agreement  
 28.531 v18.0.0 CR-0153 rev 1 Cat: C (Rel-18)  
  
 Source: Samsung R&D Institute India*

(Replaces S5-226535)

**Discussion:**

agreed unseen

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

### 6.7 Intelligence and Automation

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

REL-18 SI FS\_eANL

##### 6.7.1.1 FS\_eANL\_WoP#1

**S5-226213 pCR TR 28.910 Add key issues for management of ANL**

*Type: pCR For: Approval  
 28.910 v0.3.0  
 Source: Huawei, China Mobile*

**Discussion:**

Ericsson: this will not be used for interoperability purposes so we are not supporting this (applies also to S5-226218 and S5-226296)

CMCC: does not think that the contribution is related to interoperability; for complex cases there should be a measurement function

Ericsson: we are 100% committed to autonomous networks but how SA5 uses theses levels is problematic

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

**S5-226899 pCR TR 28.910 Add key issues for management of ANL**

*Type: pCR For: Approval  
 28.910 v0.3.0  
 Source: Huawei, China Mobile*

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

##### 6.7.1.2 FS\_eANL\_WoP#2

**S5-226218 pCR TR 28.910 Add key issues for enhancement of ANL for RAN UE throughput optimization**

*Type: pCR For: Approval  
 28.910 v0.3.0  
 Source: Huawei,China Mobile*

(Replaces S5-225313)

**Decision:** The document was **revised to S5-226900**.

**S5-226900 pCR TR 28.910 Add key issues for enhancement of ANL for RAN UE throughput optimization**

*Type: pCR For: Approval  
 28.910 v0.3.0  
 Source: Huawei,China Mobile*

(Replaces S5-226218)

**Discussion:**

Ericsson: objects; process for evaluation

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

**S5-226296 pCR TR 28.910 Add key issue for enhancement of ANL for fault management**

*Type: pCR For: Approval  
 28.910 v0.3.0  
 Source: China Mobile, Huawei*

(Replaces S5-225309)

**Abstract:**

moved from AI 6.7.1.1 to AI 6.7.1.2

**Decision:** The document was **revised to S5-226913**.

**S5-226913 pCR TR 28.910 Add key issue for enhancement of ANL for fault management**

*Type: pCR For: Approval  
 28.910 v0.3.0  
 Source: China Mobile, Huawei*

(Replaces S5-226296)

**Discussion:**

Ericsson: objects

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

##### 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

REL-18 SI FS\_ANLEVA

##### 6.7.2.1 FS\_ANLEVA\_WoP#1

**S5-226297 pCR TR 28.909 Add general process and evaluation objects for evaluating the autonomous network level**

*Type: pCR For: Approval  
 28.909 v0.2.0  
 Source: China Mobile, Huawei*

(Replaces S5-225310)

**Discussion:**

Ericsson: query the resources for several functions initiated with intent would have problems

ZTE: contribution does not talk about intent

Ericsson: at level 1 it may work but at level at 3 it will not work; has nothing to do with standardisation of interfaces in SA5

**Decision:** The document was **revised to S5-226914**.

**S5-226914 pCR TR 28.909 Add general process and evaluation objects for evaluating the autonomous network level**

*Type: pCR For: Approval  
 28.909 v0.2.0  
 Source: China Mobile, Huawei*

(Replaces S5-226297)

**Discussion:**

DT: objects, need more clarification

Ericsson: objects

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

##### 6.7.2.2 FS\_ANLEVA\_WoP#2

**S5-226281 pCR TR 28.909 Add key issues for KEI of autonomous network levels evaluation for radio network optimization**

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

(Replaces S5-225316)

**Discussion:**

Ericsson: objects

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

##### 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

REL-18 SI FS\_eIDMS\_MN

**S5-226890 TR 28.912 v1.1.0 on Study on enhanced intent driven management services for mobile networks**

*Type: draft TR For: Agreement  
 28.912 v1.1.0  
 Source: Huawei*

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

##### 6.7.3.1 FS\_eIDMS\_MN\_WoP#1

##### 6.7.3.2 FS\_eIDMS\_MN\_WoP#2

**S5-226168 pCR TR 28.912 Update the description of Issue#4.2 intent report**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Huawei, Deutsche Telekom,China Mobile*

**Decision:** The document was **revised to S5-226901**.

**S5-226901 pCR TR 28.912 Update the description of Issue#4.2 intent report**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Huawei, Deutsche Telekom,China Mobile*

(Replaces S5-226168)

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

**S5-226346 pCR TR 28.912 Add Intent Reporting requirements**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-226902**.

**S5-226902 pCR TR 28.912 Add Intent Reporting requirements**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Ericsson Inc.*

(Replaces S5-226346)

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

**S5-226348 pCR TR 28.912 Add Intent Reporting Solutions**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-226903**.

**S5-226903 pCR TR 28.912 Add Intent Reporting Solutions**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Ericsson Inc.*

(Replaces S5-226348)

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

**S5-226289 pCR TR 28.912 Update issue for Intent conflicts potential solution**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Huawei*

**Discussion:**

DT: implicit and explicit conflicts described?

conclusion: only format change needed

**Decision:** The document was **revised to S5-226904**.

**S5-226904 pCR TR 28.912 Update issue for Intent conflicts potential solution**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Huawei*

(Replaces S5-226289)

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

**S5-226518 pCR 28.912 Add priority to potential solution for intent conflicts**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: NTT DOCOMO INC.*

**Decision:** The document was **revised to S5-226905**.

**S5-226905 pCR 28.912 Add priority to potential solution for intent conflicts**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: NTT DOCOMO INC.*

(Replaces S5-226518)

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

**S5-226051 pCR TR 28.912 Intent Fullfillment feedback**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Nokia*

**Discussion:**

Ericsson: reporting aspect or the whole is optional?

Nokia: function is optional but not the reporting which is critical

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

**S5-226906 pCR TR 28.912 Intent Fullfillment feedback**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Nokia*

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

**S5-226052 pCR TR 28.912 Potential Solution on enablers for Intent Fulfilment**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Nokia*

**Discussion:**

ZTE: Tdoc has a lot of typos and unclear abbreviations (e.g. deg unclear)

Huawei: impact on intent model for the 3 types?

**Decision:** The document was **revised to S5-226907**.

**S5-226907 pCR TR 28.912 Potential Solution on enablers for Intent Fulfilment**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Nokia*

(Replaces S5-226052)

**Discussion:**

SA5 Chair: wrong Tdoc number in header and d1 used

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

**S5-226053 pCR TR 28.912 Potential Solution on Intent-driven Closed Loop control**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Nokia*

**Discussion:**

DT: this is not related to intent

**Decision:** The document was **revised to S5-226908**.

**S5-226908 pCR TR 28.912 Potential Solution on Intent-driven Closed Loop control**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Nokia*

(Replaces S5-226053)

**Discussion:**

Huawei: our concern for closed loop model was not addressed

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

**S5-226084 pCR to TR 28.912 Update Issue #4.1: intent driven approach for RAN energy saving to support intent expectation satisfying user service experience**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: ZTE Wistron Telecom AB*

**Abstract:**

It proposes that MnS consumer can express the applicable variation range of energy consumption and the needs of user service experience for RAN energy in intent expectation. MnS producer can adjust energy consumption values dynamically within the variation range to save energy as much as possible and satisfy the user service experience.

**Discussion:**

Ericsson: what is "the needs of user experience for RAN energy"?

**Decision:** The document was **revised to S5-226909**.

**S5-226909 pCR to TR 28.912 Update Issue #4.1: intent driven approach for RAN energy saving to support intent expectation satisfying user service experience**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: ZTE Wistron Telecom AB*

(Replaces S5-226084)

**Discussion:**

Huawei: objects, new UE case, not clear enough

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

**S5-226085 pCR for TR 28.912#4.3 enhancement of radio network intent expectation for user service level assurance**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: ZTE Wistron Telecom AB*

**Abstract:**

It proposes that the MnS consumer can express intent expectation to ensure user service assurance level for user’s specific services e.g. video service.

**Decision:** The document was **revised to S5-226910**.

**S5-226910 pCR for TR 28.912#4.3 enhancement of radio network intent expectation for user service level assurance**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: ZTE Wistron Telecom AB*

(Replaces S5-226085)

**Discussion:**

Huawei: comment has not been addressed

ZTE: is a different issue

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

**S5-226219 pCR TR 28.912 intents for slice-based cell reselection**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Nokia Belgium*

**Abstract:**

late Tdoc

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

**S5-226313 pCR TR 28.912\_new\_capability\_for\_enabler\_of\_MDAS(WoP#2)**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Huawei*

**Abstract:**

moved from AI 6.7.3.4 to AI 6.7.3.2

**Decision:** The document was **revised to S5-226911**.

**S5-226911 pCR TR 28.912\_new\_capability\_for\_enabler\_of\_MDAS(WoP#2)**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Huawei*

(Replaces S5-226313)

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

**S5-226396 pCR TR 28.912 update potential solution for 5GC fault management**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: AsiaInfo Technologies Inc*

**Discussion:**

Nokia: what are the targets and expectations to be added? so actual solution is needed

**Decision:** The document was **revised to S5-226912**.

**S5-226912 pCR TR 28.912 update potential solution for 5GC fault management**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S5-226396)

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

**S5-226398 pCR TR 28.912 solution on intent fulfillment feasibility check**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: AsiaInfo Technologies Inc*

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

##### 6.7.3.3 FS\_eIDMS\_MN\_WoP#3

##### 6.7.3.4 FS\_eIDMS\_MN\_WoP#4

**S5-226166 pCR TS 28.912 Update Issues related to collaboration and alignment with other SDOs**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-226995**.

**S5-226995 pCR TS 28.912 Update Issues related to collaboration and alignment with other SDOs**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-226166)

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

##### 6.7.3.5 FS\_eIDMS\_MN\_WoP#5

**S5-226054 pCR TR 28.912 Additions to Conclusion and recommendation**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Nokia*

**Abstract:**

MCC: Tdoc was originally revised in S5-226055 but not existing?

moved from AI 6.7.3.2 to AI 6.7.3.5

**Discussion:**

Tdoc was not provided, see S5-226055 instead

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

**S5-226055 pCR TR 28.912 Additions to Conclusion and recommendation**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Nokia*

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

**S5-226167 pCR TS 28.912 Add conclusion and recommendation for existing key issue**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Huawei, Deutsche Telekom*

**Abstract:**

moved from AI 6.7.3.4 to AI 6.7.3.5

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

**S5-226165 pCR TR 28.912 Rapporteur clean up**

*Type: pCR For: Approval  
 28.912 v1.0.0  
 Source: Huawei*

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

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

REL-18 SI FS\_NETSLICE\_IDMS

**S5-226882 TR 28.836 v0.3.0 on Study on intent-driven management for network slicing**

*Type: draft TR For: Agreement  
 28.836 v0.3.0  
 Source: Ericsson*

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

##### 6.7.4.1 FS\_NETSLICE\_IDMS\_WoP#1

**S5-226579 Discussion paper on requirements and network slice intent**

*Type: discussion For: Endorsement  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

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

**S5-226953 Discussion paper on requirements and network slice intent**

*Type: discussion For: Endorsement  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Discussion:**

Ericsson: could not address the comments

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

**S5-226580 Discussion paper on study intent driven management for network slicing**

*Type: discussion For: Endorsement  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Decision:** The document was **revised to S5-226954**.

**S5-226954 Discussion paper on study intent driven management for network slicing**

*Type: discussion For: Endorsement  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

(Replaces S5-226580)

**Discussion:**

Samsung: objects, is not addressing our concerns

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

**S5-226581 pCR TR 28.836 Add structure of a potential solution to clause 6**

*Type: pCR For: Approval  
 28.836 v0.2.0  
 Source: L.M. Ericsson Limited, Deutsche Telekom*

**Discussion:**

conclusion: merged into S5-226955

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

##### 6.7.4.2 FS\_NETSLICE\_IDMS\_WoP#2

**S5-226206 pCR TR 28.836 Add solution for expressing service and slice profile requirements as intent expectations**

*Type: pCR For: Approval  
 28.836 v0.2.0  
 Source: Huawei, Deutsche Telekom*

**Discussion:**

Ericsson: could be merged with S5-226581

Samsung: intent based or controler based solution needs to be decided, we can not have both

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

**S5-226955 pCR TR 28.836 Add solution for expressing service and slice profile requirements as intent expectations**

*Type: pCR For: Approval  
 28.836 v0.2.0  
 Source: Huawei, Deutsche Telekom, Ericsson*

**Abstract:**

includes also aspects of S5-226581

**Discussion:**

Huawei: needs to be postponed

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

**S5-226408 pCR 28.836 Solution for intent-driven management to deliver a network slice instance**

*Type: pCR For: Approval  
 28.836 v0.2.0  
 Source: TELEFONICA S.A.*

**Abstract:**

This contribution proposes a solution for intent-driven management to deliver a network slice instance use cases

**Decision:** The document was **revised to S5-226956**.

**S5-226956 pCR 28.836 Solution for intent-driven management to deliver a network slice instance**

*Type: pCR For: Approval  
 28.836 v0.2.0  
 Source: TELEFONICA S.A.*

(Replaces S5-226408)

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

##### 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

#### 6.7.5 Study on AI/ ML management

REL-18 SI FS\_AIML\_MGMT

**S5-226889 TR 28.908 v0.5.0 on Study on Artificial Intelligence/Machine Learning (AI/ ML) management**

*Type: draft TR For: Agreement  
 28.908 v0.5.0  
 Source: Intel*

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

##### 6.7.5.1 FS\_AIML\_MGMT\_WoP#1

**S5-226326 pCR 28.908 Addressing wording issues**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: TELEFONICA S.A.*

**Abstract:**

This contribution suggests some wording modifications to ease understanding.

**Discussion:**

Ericsson: "model drifting" term is not clear, so reference would help

**Decision:** The document was **revised to S5-226916**.

**S5-226916 pCR 28.908 Addressing wording issues**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: TELEFONICA S.A.*

(Replaces S5-226326)

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

**S5-226450 pCR 28.809 Clarifying simultaneous and separate execution of training and inference phases**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: TELEFONICA S.A.*

**Discussion:**

Huawei: "in sequence" is not possible

**Decision:** The document was **revised to S5-226917**.

**S5-226917 pCR 28.809 Clarifying simultaneous and separate execution of training and inference phases**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: TELEFONICA S.A.*

(Replaces S5-226450)

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

**S5-226334 pCR 28.809 Clarifying simultaneous and separate execution of training and inference phases**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: TELEFONICA S.A.*

**Abstract:**

This contribution aims to clarify that in telco-grade environments, training and interference stages can be executed separately or simultaneously, depending on the learning model in scope.

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

**S5-226553 pCR TR28.908 corrections on terms and definitions**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: NEC, Intel*

**Discussion:**

Nokia: concernced about renaming "AIML enabled function"

DT: has a problem with the term "or entity"

**Decision:** The document was **revised to S5-226918**.

**S5-226918 pCR TR28.908 corrections on terms and definitions**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: NEC, Intel*

(Replaces S5-226553)

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

**S5-226558 pCR TR28.908 Corrections including editorials**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: NEC, Intel*

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

**S5-226616 Presentation of TR 28.908 for information**

*Type: TS or TR cover For: Endorsement  
 28.908 v0.4.0  
 Source: Intel, NEC*

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

##### 6.7.5.2 FS\_AIML\_MGMT\_WoP#2

**S5-226037 pCR TR28.908 use case and potential solution on Abstraction of AIML performance**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226919**.

**S5-226919 pCR TR28.908 use case and potential solution on Abstraction of AIML performance**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226037)

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

**S5-226038 pCR TR28.908 selection of AIML performance indicators**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Discussion:**

Intel: should be merged with S5-226611

**Decision:** The document was **revised to S5-226920**.

**S5-226920 pCR TR28.908 selection of AIML performance indicators**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226038)

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

**S5-226039 pCR TR28.908 Policy based selection of Performance Indicators**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226921**.

**S5-226921 pCR TR28.908 Policy based selection of Performance Indicators**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226039)

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

**S5-226375 Rel-18 pCR TR 28.908 Update use case on AIML model performance indicators**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Huawei*

**Discussion:**

Intel: merge with S5-226611

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

**S5-226922 Rel-18 pCR TR 28.908 Update use case on AIML model performance indicators**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Huawei*

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

**S5-226376 Rel-18 pCR TR 28.908 Add use case on AIML model performance management**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Huawei*

**Discussion:**

merged into S5-226924

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

**S5-226923 Rel-18 pCR TR 28.908 Add use case on AIML model performance management**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Huawei*

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

**S5-226611 pCR 28.908 Add use cases for AI/ML performance evaluation**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Intel, NEC*

**Decision:** The document was **revised to S5-226924**.

**S5-226924 pCR 28.908 Add use cases for AI/ML performance evaluation**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Intel, NEC*

(Replaces S5-226611)

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

**S5-226612 pCR 28.908 Add potential solutios for AI-ML performance evaluation**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Intel, NEC*

**Abstract:**

moved from AI 6.7.5.3 to AI 6.7.5.2

**Decision:** The document was **revised to S5-226927**.

**S5-226927 pCR 28.908 Add potential solutios for AI-ML performance evaluation**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Intel, NEC*

(Replaces S5-226612)

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

**S5-226040 pCR TR28.908 Add use case on AIML data trustworthiness**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226929**.

**S5-226929 pCR TR28.908 Add use case on AIML data trustworthiness**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226040)

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

**S5-226041 pCR TR28.908 Add use case on AIML training trustworthiness**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Discussion:**

Intel: consumer has no information how data is used so training data/algorithm needs to be disclosed otherwise calling this trustworthiness; requirements need more discussion; last paragraph in 5.A.2.3 has no link to the requirements before

DT: ~10 Tdocs and ~150 requirements, so we need to focus on relevant requirements

**Decision:** The document was **revised to S5-226934**.

**S5-226934 pCR TR28.908 Add use case on AIML training trustworthiness**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226041)

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

**S5-226042 pCR TR28.908 Add use case on AIML trustworthiness indicators**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226935**.

**S5-226935 pCR TR28.908 Add use case on AIML trustworthiness indicators**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226042)

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

**S5-226064 pCR 28.908 Terminology on Trustworthy AIML**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Abstract:**

moved from AI 6.7.5.1 to AI 6.7.5.2

**Discussion:**

Samsung: seems to be an interpretation of an EC document

Nokia: claims that the requirements were copied from EC document

Ericsson: if it is a copy, then we should have an exact copy; and we should be sure we have the copyright

**Decision:** The document was **revised to S5-226928**.

**S5-226928 pCR 28.908 Terminology on Trustworthy AIML**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226064)

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

**S5-226148 pCR 28.908 Tradeoff between AIML performance and trustworthiness**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia Denmark*

**Abstract:**

late Tdoc

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

**S5-226150 pCR 28.908 Add use case on AIML inference trustworthiness**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia Denmark*

**Decision:** The document was **revised to S5-226936**.

**S5-226936 pCR 28.908 Add use case on AIML inference trustworthiness**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia Denmark*

(Replaces S5-226150)

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

**S5-226035 pCR TR28.908 use case and potential solution on AIML modularity**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226937**.

**S5-226937 pCR TR28.908 use case and potential solution on AIML modularity**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226035)

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

**S5-226036 pCR TR28.908 use case and potential solution on AIML Update**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226938**.

**S5-226938 pCR TR28.908 use case and potential solution on AIML Update**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226036)

**Discussion:**

Intel: further discussion needed

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

**S5-226065 pCR 28.908 Use case on ML Transfer Learning**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Discussion:**

Huawei: who is the consumer etc. is unclear, use cases are unclear

**Decision:** The document was **revised to S5-226939**.

**S5-226939 pCR 28.908 Use case on ML Transfer Learning**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226065)

**Discussion:**

Ericsson: objects, we do not agree on the concept

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

**S5-226066 pCR TR28.908 Add use case on AIML inference emulation**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226940**.

**S5-226940 pCR TR28.908 Add use case on AIML inference emulation**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226066)

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

**S5-226372 Rel-18 pCR TR 28.908 Correct the illustration of AIML inference history request and control**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Huawei, Nokia*

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

**S5-226373 Rel-18 pCR TR 28.908 Correct the illustration of AIML entity testing and control**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Huawei, Nokia*

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

**S5-226554 AI/ML entity retraining requirements update**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Ericsson India Private Limited*

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

**S5-226559 Orchestrating AIML inference enhancement**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Ericsson India Private Limited*

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

**S5-226561 AI/ML model performance management enhancement**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Ericsson India Private Limited*

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

##### 6.7.5.3 FS\_AIML\_MGMT\_WoP#3

**S5-226043 pCR TR28.908 Potential solution on ML Gradual Activation**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226941**.

**S5-226941 pCR TR28.908 Potential solution on ML Gradual Activation**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226043)

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

**S5-226610 pCR 28.908 Add possible solution for AI/ML configuration**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Intel, NEC*

**Discussion:**

Nokia: large change of existing text that we do not agree to

**Decision:** The document was **revised to S5-226942**.

**S5-226942 pCR 28.908 Add possible solution for AI/ML configuration**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Intel, NEC*

(Replaces S5-226610)

**Discussion:**

merging 6374 and 6610

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

**S5-226149 pCR TR28.908 Usecase on Policy based Activation**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia Denmark*

**Abstract:**

moved from AI 6.7.5.2 to AI 6.7.5.3

**Decision:** The document was **revised to S5-226943**.

**S5-226943 pCR TR28.908 Usecase on Policy based Activation**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia Denmark*

(Replaces S5-226149)

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

**S5-226374 Rel-18 pCR TR 28.908 AIML configuration management solution**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Huawei*

**Discussion:**

Intel: need to be merged with S5-226610

S5 VC (Huawei): S5-226043/6374/6610 should not overlap

merged in S5-226942

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

**S5-226944 Rel-18 pCR TR 28.908 AIML configuration management solution**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Huawei*

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

**S5-226046 pCR TR28.908 Potential solution on improving retraining efficiency**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226945**.

**S5-226945 pCR TR28.908 Potential solution on improving retraining efficiency**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226046)

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

**S5-226047 pCR TR28.908 Potential solution on event data for ML training**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226986**.

**S5-226986 pCR TR28.908 Potential solution on event data for ML training**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226047)

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

**S5-226371 Rel-18 pCR TR 28.908 Correct the illustration of Event data for ML training**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Huawei, Nokia*

**Abstract:**

moved from AI 6.7.5.2 to AI 6.7.5.3

**Discussion:**

MCC: based on wrong version 0.1.0?

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

**S5-226385 pCR TR28.908 Add use case on measurement data for ML training**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

moved from AI 6.7.5.2 to AI 6.7.5.3

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

**S5-226044 pCR TR28.908 Potential solution on Mobility of AIML Context**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226984**.

**S5-226984 pCR TR28.908 Potential solution on Mobility of AIML Context**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226044)

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

**S5-226045 pCR TR28.908 Potential solution on Producer Initiated AIML Training**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226985**.

**S5-226985 pCR TR28.908 Potential solution on Producer Initiated AIML Training**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226045)

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

**S5-226048 pCR TR28.908 Potential solution on Abstract AIML Behavior**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

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

**S5-226049 pCR TR28.908 Potential solution on Orchestrating AIML inference**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226987**.

**S5-226987 pCR TR28.908 Potential solution on Orchestrating AIML inference**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226049)

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

**S5-226050 pCR TR28.908 Evaluations for Solution 5.6 and 5.7**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

**Decision:** The document was **revised to S5-226988**.

**S5-226988 pCR TR28.908 Evaluations for Solution 5.6 and 5.7**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia*

(Replaces S5-226050)

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

**S5-226609 pCR 28.908 Add possible solutions for AI/ML entity deployment**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Intel, NEC, CATT*

**Decision:** The document was **revised to S5-227011**.

**S5-227011 pCR 28.908 Add possible solutions for AI/ML entity deployment**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Intel, NEC, CATT*

(Replaces S5-226609)

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

##### 6.7.5.4 FS\_AIML\_MGMT\_WoP#4

**S5-226562 pCR 28.908 Add use case on multiple AIML entity testing**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: CATT*

(Replaces S5-225508)

**Discussion:**

Ericsson: objects

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

**S5-226563 pCR 28.908 Add possible solution for multiple AI-ML entity testing**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: CATT*

**Discussion:**

Ericsson: objects

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

**S5-226564 pCR 28.908 Update description and requirements on supporting online AIML entity testing**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: CATT*

(Replaces S5-225509)

**Discussion:**

pCR was at first approved but later revised

DT: adding to requirement was unclear and need to be reworded

**Decision:** The document was **revised to S5-226997**.

**S5-226997 pCR 28.908 Update description and requirements on supporting online AIML entity testing**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: CATT*

(Replaces S5-226564)

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

**S5-226384 pCR for TR28.908 Potential Solution on coordination of capabilities**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

NEC: objects

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

**S5-226555 pCR 28.908 Add use case on training data effectiveness report and analytics**

*Type: pCR For: Approval  
 28.908 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.7.5.5 FS\_AIML\_MGMT\_WoP#5

##### 6.7.5.6 FS\_AIML\_MGMT\_WoP#6

##### 6.7.5.7 FS\_AIML\_MGMT\_WoP#7

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

REL-18 SI FS\_MANWDAF

**S5-226887 TR 28.864 v0.5.0 on Study on Enhancement of the management aspects related to NetWork Data Analytics Functions (NWDAF)**

*Type: draft TR For: Agreement  
 28.864 v0.5.0  
 Source: China Telecom*

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

##### 6.7.6.1 FS\_MANWDAF\_WoP#1

**S5-226412 pCR 28.864 Add the evaluation for KI#1**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

**Discussion:**

China Telecom: related Nokia CR in S5-226092

**Decision:** The document was **revised to S5-226832**.

**S5-226832 pCR 28.864 Add the evaluation for KI#1**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

(Replaces S5-226412)

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

**S5-226413 pCR 28.864 Add the evaluation for KI#2**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

**Discussion:**

Ericsson: "may move to normative phase" may be misinterpreted

DT: "solution" is too strong as we may modify it a bit in the normative phase

conclusion: will be rephrased to "This solution is a feasible candidate as input for the normative phase" (will be updated in similar CRs)

**Decision:** The document was **revised to S5-226833**.

**S5-226833 pCR 28.864 Add the evaluation for KI#2**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

(Replaces S5-226413)

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

##### 6.7.6.2 FS\_MANWDAF\_WoP#2

**S5-226151 pCR TR28.864 Potential Solution on NWDAF Analytics-related Timing**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Nokia Belgium*

**Decision:** The document was **revised to S5-226834**.

**S5-226834 pCR TR28.864 Potential Solution on NWDAF Analytics-related Timing**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Nokia Belgium*

(Replaces S5-226151)

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

**S5-226414 pCR 28.864 Add the evaluation for KI#3**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

**Discussion:**

Nokia: we do not believe it is a feasible solution (counting of number of requests is not enough

**Decision:** The document was **revised to S5-226835**.

**S5-226835 pCR 28.864 Add the evaluation for KI#3**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

(Replaces S5-226414)

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

**S5-226415 pCR 28.864 Add the potential solution for KI#3**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

**Decision:** The document was **revised to S5-226836**.

**S5-226836 pCR 28.864 Add the potential solution for KI#3**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

(Replaces S5-226415)

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

**S5-226416 pCR 28.864 Add the evaluation for KI#5**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

**Decision:** The document was **revised to S5-226837**.

**S5-226837 pCR 28.864 Add the evaluation for KI#5**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

(Replaces S5-226416)

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

**S5-226417 pCR 28.864 Add the evaluation for KI#6**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

**Decision:** The document was **revised to S5-226838**.

**S5-226838 pCR 28.864 Add the evaluation for KI#6**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

(Replaces S5-226417)

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

**S5-226453 pCR 28.864 Add the potential solution for KI#7**

*Type: pCR For: Approval  
 28.864 v0.4.0  
 Source: Chinatelecom Cloud*

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

#### 6.7.7 Study on Fault Supervision Evolution

REL-18 SI FS\_FSEV

##### 6.7.7.1 FS\_FSEV\_WoP#1

**S5-226214 Rel-18 pCR 28.830 on concepts in FSEV study**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

**Discussion:**

MCC: Tdoc was originally requested as DP which is wrong

Nokia: we should clarify basic terms first before we discuss further new things; many statements about what is not possible with the current specs

**Decision:** The document was **revised to S5-226946**.

**S5-226946 Rel-18 pCR 28.830 on concepts in FSEV study**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

(Replaces S5-226214)

**Discussion:**

Nokia: objects, basic understanding needed whether anything needs to be added

Huawei: one company blocks progress for 3 meetings, we need concrete technical comments

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

**S5-226215 DP on management capabilities in FSEV study**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-226992**.

**S5-226992 DP on management capabilities in FSEV study**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

(Replaces S5-226215)

**Discussion:**

Nokia: objects

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

**S5-226633 Rel-18 pCR 28.830 Add alarm related definitions**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226947**.

**S5-226947 Rel-18 pCR 28.830 Add alarm related definitions**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226633)

**Discussion:**

Nokia: objects

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

##### 6.7.7.2 FS\_FSEV\_WoP#2

**S5-226216 pCR 28.830 Add framework of FSEV**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-226993**.

**S5-226993 pCR 28.830 Add framework of FSEV**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

(Replaces S5-226216)

**Discussion:**

Nokia: objects

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

**S5-226217 pCR 28.830 Add interface description**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

**Decision:** The document was **revised to S5-226994**.

**S5-226994 pCR 28.830 Add interface description**

*Type: pCR For: Approval  
 28.830 v0.3.0  
 Source: Huawei, China Mobile*

(Replaces S5-226217)

**Discussion:**

Nokia: objects

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

##### 6.7.7.3 FS\_FSEV\_WoP#3

#### 6.7.8 Study on measurement data collection to support RAN intelligence

REL-18 SI FS\_MEDACO\_RAN

**S5-226884 TR 28.838 v0.2.0 on Study on measurement data collection to support RAN intelligence**

*Type: draft TR For: Agreement  
 28.838 v0.2.0  
 Source: Intel*

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

##### 6.7.8.1 FS\_MEDACO\_RAN\_WoP#1

##### 6.7.8.2 FS\_MEDACO\_RAN\_WoP#2

##### 6.7.8.3 FS\_MEDACO\_RAN\_WoP#3

**S5-226225 pCR 28.838 add use case of mobility optimization**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **revised to S5-226957**.

**S5-226957 pCR 28.838 add use case of mobility optimization**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

(Replaces S5-226225)

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

**S5-226226 pCR 28.838 add the use case of network energy saving**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **revised to S5-226958**.

**S5-226958 pCR 28.838 add the use case of network energy saving**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

(Replaces S5-226226)

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

**S5-226543 pCR 28.838 add use case of load balancing**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-226959**.

**S5-226959 pCR 28.838 add use case of load balancing**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-226543)

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

**S5-226224 pCR 28.838 add concept**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **revised to S5-226960**.

**S5-226960 pCR 28.838 add concept**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

(Replaces S5-226224)

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

**S5-226227 pCR 28.838 add solutions**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **revised to S5-226961**.

**S5-226961 pCR 28.838 add solutions**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

(Replaces S5-226227)

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

**S5-226228 pCR 28.838 add conclusions and recommendations**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

**Decision:** The document was **revised to S5-226962**.

**S5-226962 pCR 28.838 add conclusions and recommendations**

*Type: pCR For: Approval  
 28.838 v0.1.0  
 Source: Intel Korea, Ltd.*

(Replaces S5-226228)

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

**S5-226341 Presentation of TR 28.838 for SA information**

*Type: TS or TR cover For: Approval  
 28.838 v..  
 Source: Intel Korea, Ltd.*

**Discussion:**

Intel: now SI can actually be closed already

**Decision:** The document was **revised to S5-227084**.

**S5-227084 Presentation of TR 28.838 for SA approval**

*Type: TS or TR cover For: Approval  
 28.838 v..  
 Source: Intel Korea, Ltd.*

(Replaces S5-226341)

**Discussion:**

approved unseen

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

### 6.8 Management Architecture and Mechanisms

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

REL-18 SI FS\_eSBMA

**S5-226892 TR 28.925 v0.9.0 on Study on enhancement of service based management architecture**

*Type: draft TR For: Agreement  
 28.925 v0.9.0  
 Source: Huawei*

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

##### 6.8.1.1 FS\_eSBMA\_WoP#1

##### 6.8.1.2 FS\_eSBMA\_WoP#2

##### 6.8.1.3 FS\_eSBMA\_WoP#3

##### 6.8.1.4 FS\_eSBMA\_WoP#4

##### 6.8.1.5 FS\_eSBMA\_WoP#5

**S5-226236 pCR TR 28.925 rapporteur reorganizing modification for section 5**

*Type: pCR For: Approval  
 28.925 v0.8.0  
 Source: HuaWei Technologies Co., Ltd*

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

**S5-226411 pCR TR 28.925 Add conclusion for issue 4.8**

*Type: pCR For: Approval  
 28.925 v0.8.0  
 Source: HuaWei Technologies Co., Ltd*

**Decision:** The document was **revised to S5-226963**.

**S5-226963 pCR TR 28.925 Add conclusion for issue 4.8**

*Type: pCR For: Approval  
 28.925 v0.8.0  
 Source: HuaWei Technologies Co., Ltd*

(Replaces S5-226411)

**Discussion:**

Ericsson: further clarification needed; it's ok now

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

**S5-226624 R18 pCR 28.925-080 Management of MnFs solution 2**

*Type: pCR For: Approval  
 28.925 v0.8.0  
 Source: Ericsson*

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

**S5-226964 R18 pCR 28.925-080 Management of MnFs solution 2**

*Type: pCR For: Approval  
 28.925 v0.8.0  
 Source: Ericsson*

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

##### 6.8.1.6 FS\_eSBMA\_WoP#6

**S5-226509 pCR TR 28.925 Add issue on interoperability support using SBMA**

*Type: pCR For: Approval  
 28.925 v0.8.0  
 Source: HuaWei Technologies Co., Ltd*

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

#### 6.8.2 Study on Basic SBMA enabler enhancements

REL-18 SI FS\_eSBMAe

**S5-226877 TR 28.831 v0.5.0 on Study on basic Service-Based Management Architecture (SBMA) enabler enhancements**

*Type: draft TR For: Agreement  
 28.831 v0.5.0  
 Source: Nokia*

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

##### 6.8.2.1 FS\_eSBMAe\_WoP#1

##### 6.8.2.2 FS\_eSBMAe\_WoP#2

##### 6.8.2.3 FS\_eSBMAe\_WoP#3

**S5-226101 Rel-18 pCR TR 28.831 Add a new key issue for Adding mechanism to advertise supported NRM capabilities by the MnS producer**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Huawei: bullet 3 is non-standard behaviour that should not be discussed, vendor-specific IOC are not for SA5 to discuss

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

**S5-226948 Rel-18 pCR TR 28.831 Add a new key issue for Adding mechanism to advertise supported NRM capabilities by the MnS producer**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226102 Rel-18 pCR TR 28.831 Add potential requirements for KI to Add mechanism to advertise supported NRM capabilities by the MnS producer**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226949 Rel-18 pCR TR 28.831 Add potential requirements for KI to Add mechanism to advertise supported NRM capabilities by the MnS producer**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226103 Rel-18 pCR TR 28.831 Add a potential solution for KI to Add mechanism to advertise supported NRM capabilities by the MnS producer**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

late Tdoc

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

**S5-226549 Rel-18 pCR 28.831 Improve revised definition of creatMOI**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226950**.

**S5-226950 Rel-18 pCR 28.831 Improve revised definition of creatMOI**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226549)

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

**S5-226550 Rel-18 pCR 28.831 Add issue – Definition of modifyMOIAttributes**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

late Tdoc

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

**S5-226551 Rel-18 pCR 28.831 Add issue – Definition of modifyMOIAttributes**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226951**.

**S5-226951 Rel-18 pCR 28.831 Add issue – Definition of modifyMOIAttributes**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226551)

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

**S5-226552 Rel-18 pCR 28.831 Add issue – Definition of HTTP error responses**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226974**.

**S5-226974 Rel-18 pCR 28.831 Add issue – Definition of HTTP error responses**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226552)

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

##### 6.8.2.4 FS\_eSBMAe\_WoP#4

**S5-226556 Rel-18 pCR 28.831 Add approved but not implemented Annex A on XPath profiles**

*Type: pCR For: Approval  
 28.831 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

**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

##### 6.8.2.8 FS\_eSBMAe\_WoP#8

##### 6.8.2.9 FS\_eSBMAe\_WoP#9

##### 6.8.2.10 FS\_eSBMAe\_WoP#10

#### 6.8.3 Study on Management Aspects of URLLC

REL-18 SI FS\_URLLC\_Mgt

**S5-226878 TR 28.832 v0.4.0 on Study on management aspects of Ultra-Reliable and Low Latency Communication (URLLC)**

*Type: draft TR For: Agreement  
 28.832 v0.4.0  
 Source: China Unicom*

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

##### 6.8.3.1 FS\_URLLC\_Mgt\_WoP#1

##### 6.8.3.2 FS\_URLLC\_Mgt\_WoP#2

**S5-226511 pCR TR 28.832 Add issue on configuration of reliability in slice profiles**

*Type: pCR For: Approval  
 28.832 v0.3.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-226966**.

**S5-226966 pCR TR 28.832 Add issue on configuration of reliability in slice profiles**

*Type: pCR For: Approval  
 28.832 v0.3.0  
 Source: China Unicom*

(Replaces S5-226511)

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

**S5-226512 pCR TR 28.832 Add potential solution for issue on configuration of reliability in slice profiles**

*Type: pCR For: Approval  
 28.832 v0.3.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-226971**.

**S5-226971 pCR TR 28.832 Add potential solution for issue on configuration of reliability in slice profiles**

*Type: pCR For: Approval  
 28.832 v0.3.0  
 Source: China Unicom*

(Replaces S5-226512)

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

**S5-226538 Add New Key issue on configuration of latency for URLLC in RAN**

*Type: pCR For: Approval  
 28.832 v0.3.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-226972**.

**S5-226972 Add New Key issue on configuration of latency for URLLC in RAN**

*Type: pCR For: Approval  
 28.832 v0.3.0  
 Source: China Unicom*

(Replaces S5-226538)

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

##### 6.8.3.3 FS\_URLLC\_Mgt\_WoP#3

**S5-226513 pCR TR28.832 Add New Solution for support for performance measurements related on URLLC resource load**

*Type: pCR For: Approval  
 28.832 v0.3.0  
 Source: China Unicom, Huawei*

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

**S5-226515 pCR TR28.832 Add New Solution for URLLC performance management related to reliability**

*Type: pCR For: Approval  
 28.832 v0.3.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-226973**.

**S5-226973 pCR TR28.832 Add New Solution for URLLC performance management related to reliability**

*Type: pCR For: Approval  
 28.832 v0.3.0  
 Source: China Unicom*

(Replaces S5-226515)

**Discussion:**

Ericsson: has problems with this

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

**S5-226524 pCR TR28.832 Add New Solution for support for performance measurements related on URLLC resource load**

*Type: pCR For: Approval  
 28.832 v0.3.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-226975**.

**S5-226975 pCR TR28.832 Add New Solution for support for performance measurements related on URLLC resource load**

*Type: pCR For: Approval  
 28.832 v0.3.0  
 Source: China Unicom*

(Replaces S5-226524)

**Discussion:**

Ericsson: has problems with this

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

##### 6.8.3.4 FS\_URLLC\_Mgt\_WoP#4

#### 6.8.4 Study on Management Aspect of 5GLAN

REL-18 SI FS\_5GLAN\_Mgt

**S5-226879 TR 28.833 v0.5.0 on Study on management aspects of 5GLAN**

*Type: draft TR For: Agreement  
 28.833 v0.5.0  
 Source: China Mobile*

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

##### 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

**S5-226400 pCR TR 28.833 Update potential solutions and evaluations for Topic 1 and Topic 2 of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.4.0  
 Source: CMDI*

**Abstract:**

This contribution proposes to update potential solutions and evaluations for Topic 1 and Topic 2 of FS\_5GLAN\_Mgt for TR 28.833.

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

**S5-226407 pCR TR 28.833 Update potential solutions and evaluations for Topic 1 and Topic 2 of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.4.0  
 Source: CMDI, Huawei*

**Abstract:**

This contribution proposes to update potential solutions and evaluations for Topic 1 and Topic 2 of FS\_5GLAN\_Mgt for TR 28.833.

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

**S5-226401 pCR TR 28.833 Update potential solutions and evaluations for Topic 3 of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.4.0  
 Source: CMDI, Huawei*

**Abstract:**

This contribution proposes to update potential solutions and evaluations for Topic 3 of FS\_5GLAN\_Mgt for TR 28.833.

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

**S5-226409 pCR TR 28.833 Update potential solutions and evaluations for Topic 3 of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.4.0  
 Source: CMDI, Huawei*

**Abstract:**

This contribution proposes to update potential solutions and evaluations for Topic 3 of FS\_5GLAN\_Mgt for TR 28.833.

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

##### 6.8.4.4 FS\_5GLAN\_Mgt\_WoP#4

**S5-226403 pCR TR 28.833 Add potential solutions and evaluations for 5G VN group communicaition KPIs of FS\_5GLAN\_Mgt**

*Type: pCR For: Approval  
 28.833 v0.4.0  
 Source: CMDI, Huawei*

**Abstract:**

This contribution proposes to add potential solutions, evaluation and conclusion for Topic 4 of FS\_5GLAN\_Mgt for TR 28.833.

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

#### 6.8.5 Study on Management of Cloud Native Virtualized Network Functions

REL-18 SI FS\_MCVNF

**S5-226880 TR 28.834 v0.4.0 on Study on management of cloud-native Virtualized Network Functions (VNF)**

*Type: draft TR For: Agreement  
 28.834 v0.4.0  
 Source: China Mobile*

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

##### 6.8.5.1 FS\_MCVNF\_WoP#1

**S5-226315 pCR 28.834 Add issues for use case 1**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226976**.

**S5-226976 pCR 28.834 Add issues for use case 1**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

(Replaces S5-226315)

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

**S5-226316 pCR 28.834 Add issues for use case 2**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226977**.

**S5-226977 pCR 28.834 Add issues for use case 2**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

(Replaces S5-226316)

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

**S5-226317 pCR 28.834 Update VNF package update use case**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226978**.

**S5-226978 pCR 28.834 Update VNF package update use case**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

(Replaces S5-226317)

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

**S5-226318 pCR 28.834 Adding missing reference**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

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

**S5-226320 pCR 28.834 Update scaling use case**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226979**.

**S5-226979 pCR 28.834 Update scaling use case**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

(Replaces S5-226320)

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

**S5-226365 pCR 28.834 Add Use Case on performance management of the cloud-native VNF using generic OAM functions**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: AsiaInfo Technologies Inc*

**Decision:** The document was **revised to S5-226980**.

**S5-226980 pCR 28.834 Add Use Case on performance management of the cloud-native VNF using generic OAM functions**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: AsiaInfo Technologies Inc*

(Replaces S5-226365)

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

##### 6.8.5.2 FS\_MCVNF\_WoP#2

##### 6.8.5.3 FS\_MCVNF\_WoP#3

**S5-226314 pCR 28.834 Allocation of functionality**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226981**.

**S5-226981 pCR 28.834 Allocation of functionality**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

(Replaces S5-226314)

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

**S5-226319 pCR 28.834 Add potential solution for NF creation as cloud native VNF**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226982**.

**S5-226982 pCR 28.834 Add potential solution for NF creation as cloud native VNF**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: Huawei*

(Replaces S5-226319)

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

**S5-226458 pCR 28.834 Add potential solution for VNF package update of the cloud-native VNF**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: AsiaInfo Technologies Inc*

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

**S5-226634 pCR 28.834 Add potential solution for Configuration and Traffic management of the cloud-native VNF using generic OAM functions**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-226983**.

**S5-226983 pCR 28.834 Add potential solution for Configuration and Traffic management of the cloud-native VNF using generic OAM functions**

*Type: pCR For: Approval  
 28.834 v0.3.0  
 Source: China Mobile Com. Corporation*

(Replaces S5-226634)

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

#### 6.8.6 Study on Management Aspects of 5G MOCN Network Sharing Phase2

REL-18 SI FS\_MANS\_ph2

**S5-226881 TR 28.835 v0.5.0 on Study on management aspects of 5G Multiple Operator Core Network (MOCN) network sharing phase2**

*Type: draft TR For: Agreement  
 28.835 v0.5.0  
 Source: China Unicom*

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

##### 6.8.6.1 FS\_MANS\_ph2\_WoP#1

**S5-226351 pCR TR28.835 Add Issue For Operation Specific 5QI**

*Type: pCR For: Approval  
 28.835 v0.4.0  
 Source: Ericsson Inc.*

**Discussion:**

China Unicom: wrong issue number

**Decision:** The document was **revised to S5-226989**.

**S5-226989 pCR TR28.835 Add Issue For Operation Specific 5QI**

*Type: pCR For: Approval  
 28.835 v0.4.0  
 Source: Ericsson Inc.*

(Replaces S5-226351)

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

**S5-226629 pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements**

*Type: pCR For: Approval  
 28.835 v0.4.0  
 Source: ZXNE*

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

**S5-226990 pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements**

*Type: pCR For: Approval  
 28.835 v0.4.0  
 Source: ZXNE*

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

##### 6.8.6.2 FS\_MANS\_ph2\_WoP#2

##### 6.8.6.3 FS\_MANS\_ph2\_WoP#3

**S5-226527 pCR TR 28.835 Add key issue on PLMN granularity requirement of performance measurements for MOCN**

*Type: pCR For: Approval  
 28.835 v0.4.0  
 Source: China Unicom*

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

**S5-226528 pCR TR 28.835 Add potential solution for issue on PLMN granularity requirement of performance measurements for MOCN**

*Type: pCR For: Approval  
 28.835 v0.4.0  
 Source: China Unicom*

**Decision:** The document was **revised to S5-226991**.

**S5-226991 pCR TR 28.835 Add potential solution for issue on PLMN granularity requirement of performance measurements for MOCN**

*Type: pCR For: Approval  
 28.835 v0.4.0  
 Source: China Unicom*

(Replaces S5-226528)

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

#### 6.8.7 Study on Management of Trace/MDT phase 2

REL-18 SI FS\_5GMDT\_Ph2

**S5-226883 TR 28.837 v0.5.0 on Study on management of trace/ Minimization of Drive Tests (MDT) phase 2**

*Type: draft TR For: Agreement  
 28.837 v0.5.0  
 Source: Nokia*

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

##### 6.8.7.1 FS\_5GMDT\_Ph2\_WoP#1

**S5-226173 pCR TR 28.837 Potential Solution for reporting of collected Management Data**

*Type: pCR For: Approval  
 28.837 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.8.7.2 FS\_5GMDT\_Ph2\_WoP#2

**S5-226172 pCR TR 28.837 New Key Issue on reporting per DRB per UE MDT measurements**

*Type: pCR For: Approval  
 28.837 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.8.7.3 FS\_5GMDT\_Ph2\_WoP#3

**S5-226171 pCR TR 28.837 Conclusion on the Alignment of Report Amount Parameter**

*Type: pCR For: Approval  
 28.837 v0.4.0  
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.8.7.4 FS\_5GMDT\_Ph2\_WoP#4

##### 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

#### 6.8.8 Study on Management Aspects of IoT NTN Enhancements

REL-18 SI FS\_IOT\_NTN

**S5-226885 TR 28.841 v0.3.0 on Study on management aspects of IoT NTN enhancements**

*Type: draft TR For: Agreement  
 28.841 v0.3.0  
 Source: China Unicom*

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

##### 6.8.8.1 FS\_IOT\_NTN\_WoP#1

##### 6.8.8.2 FS\_IOT\_NTN\_WoP#2

**S5-226392 pCR 28.841 add use cases for IoT network of satellite components**

*Type: pCR For: Approval  
 28.841 v0.2.0  
 Source: China Unicom*

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

**S5-226393 pCR 28.841 add potential requirements of satellite components**

*Type: pCR For: Approval  
 28.841 v0.2.0  
 Source: China Unicom*

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

##### 6.8.8.3 FS\_IOT\_NTN\_WoP#3

**S5-226394 pCR 28.841 add potential solutions for IoT networks of satellite components**

*Type: pCR For: Approval  
 28.841 v0.2.0  
 Source: China Unicom*

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

**S5-226395 pCR 28.841 add Annex of characteristics of satellite systems**

*Type: pCR For: Approval  
 28.841 v0.2.0  
 Source: China Unicom*

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

**S5-226397 pCR 28.841 add Annex of Reference architecture with satellite enabled RAN**

*Type: pCR For: Approval  
 28.841 v0.2.0  
 Source: China Unicom*

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

#### 6.8.9 Study on Data management phase 2

REL-18 SI FS\_MADCOL\_ph2

##### 6.8.9.1 FS\_MADCOL\_ph2\_WoP#1

##### 6.8.9.2 FS\_MADCOL\_ph2\_WoP#2

**S5-226626 pCR 28.842 New key issue on harmonized representation of management data**

*Type: pCR For: Approval  
 28.842 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Huawei: unclear what the problem is

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

**S5-226998 pCR 28.842 New key issue on harmonized representation of management data**

*Type: pCR For: Approval  
 28.842 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226637 pCR 28.842 New key issue on harmonized representation of time of management data**

*Type: pCR For: Approval  
 28.842 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226999 pCR 28.842 New key issue on harmonized representation of time of management data**

*Type: pCR For: Approval  
 28.842 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226627 Rel-18 Draft TR 28.842 Study on data management phase 2 Skeleton**

*Type: draft TR For: Agreement  
 28.842 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Tdoc was originally agreed but it had to be revised to include approved pCRs of SA5 #146

**Decision:** The document was **revised to S5-227085**.

**S5-227085 TR 28.842 v0.1.0 on Study on data management phase 2**

*Type: draft TR For: Agreement  
 28.842 v0.1.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226627)

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

**S5-226628 Rel-18 pCR TR 28.842 Add skeleton**

*Type: pCR For: Approval  
 28.842 v0.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.8.9.3 FS\_MADCOL\_ph2\_WoP#3

##### 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

REL-18 SI FS\_OAM\_eNPN

**S5-226888 TR 28.907 v1.1.0 on Study on enhancement of management of non-public networks**

*Type: draft TR For: Agreement  
 28.907 v1.1.0  
 Source: Huawei*

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

##### 6.9.1.1 FS\_OAM\_eNPN\_WoP#1

**S5-226268 pCR 28.907 Potential solution for exposure of management capabilities and corresponding managed resources**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227000**.

**S5-227000 pCR 28.907 Potential solution for exposure of management capabilities and corresponding managed resources**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

(Replaces S5-226268)

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

**S5-226269 pCR 28.907 Resolve Editor’s note in clause 5.1.2.1.2**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227001**.

**S5-227001 pCR 28.907 Resolve Editor’s note in clause 5.1.2.1.2**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

(Replaces S5-226269)

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

**S5-226270 pCR 28.907 Resolve Editor's note in clause 5.4.1**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227002**.

**S5-227002 pCR 28.907 Resolve Editor's note in clause 5.4.1**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

(Replaces S5-226270)

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

**S5-226271 pCR 28.907 Conclusion for E2E fault management**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227003**.

**S5-227003 pCR 28.907 Conclusion for E2E fault management**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

(Replaces S5-226271)

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

**S5-226272 pCR 28.907 Conclusion for resource isolation demand for smart grid utilities**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227004**.

**S5-227004 pCR 28.907 Conclusion for resource isolation demand for smart grid utilities**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

(Replaces S5-226272)

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

##### 6.9.1.2 FS\_OAM\_eNPN\_WoP#2

**S5-226273 pCR 28.907 Resolve Editor's note in clause 5.2.2.1.2**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227005**.

**S5-227005 pCR 28.907 Resolve Editor's note in clause 5.2.2.1.2**

*Type: pCR For: Approval  
 28.907 v1.0.0  
 Source: Huawei*

(Replaces S5-226273)

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

##### 6.9.1.3 FS\_OAM\_eNPN\_WoP#3

##### 6.9.1.4 FS\_OAM\_eNPN\_WoP#4

#### 6.9.2 Study on new aspects of EE for 5G networks Phase 2

REL-18 SI FS\_EE5G\_Ph2

**S5-226891 TR 28.913 v0.4.0 on Study on new aspects of EE for 5G networks phase 2**

*Type: draft TR For: Agreement  
 28.913 v0.4.0  
 Source: Orange*

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

##### 6.9.2.1 FS\_EE5G\_Ph2\_WoP#1

**S5-226526 pCR TR28.913 Add New Solution for Energy Efficiency of URLLC network slice- RAN based**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: China Unicom, Huawei*

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

**S5-226459 pCR TR28.913 Add New Solution for Energy Efficiency of URLLC network slice- RAN based**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: China Unicom, Huawei*

**Decision:** The document was **revised to S5-227007**.

**S5-227007 pCR TR28.913 Add New Solution for Energy Efficiency of URLLC network slice- RAN based**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: China Unicom, Huawei*

(Replaces S5-226459)

**Discussion:**

Samsung: objects

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

**S5-226508 pCR TR28.913 Add New Key issue on Energy Efficiency of URLLC network slice- RAN based**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: China Unicom, Huawei*

**Decision:** The document was **revised to S5-226636**.

**S5-226636 pCR TR28.913 Add New Key issue on Energy Efficiency of URLLC network slice- RAN based**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: China Unicom, Huawei, China Telecom*

(Replaces S5-226508)

**Discussion:**

Nokia: what is a RAN only slice?

Samsung: was already in for eMBB

**Decision:** The document was **revised to S5-227006**.

**S5-227006 pCR TR28.913 Add New Key issue on Energy Efficiency of URLLC network slice- RAN based**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: China Unicom, Huawei, China Telecom*

(Replaces S5-226636)

**Discussion:**

Samsung: objects

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

**S5-226510 pCR TR28.913 Add New Solution for Energy Efficiency of a URLLC network slice based on reliability**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: China Unicom, Huawei*

**Decision:** The document was **revised to S5-226635**.

**S5-226570 Rel-18 pCR 28.913 EE of URLLC network slice based on reliability**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: Samsung Guangzhou Mobile R&D*

**Decision:** The document was **revised to S5-227009**.

**S5-227009 Rel-18 pCR 28.913 EE of URLLC network slice based on reliability**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: Samsung Guangzhou Mobile R&D*

(Replaces S5-226570)

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

**S5-226635 pCR TR28.913 Add New Solution for Energy Efficiency of a URLLC network slice based on reliability**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: China Unicom, Huawei*

(Replaces S5-226510)

**Decision:** The document was **revised to S5-227008**.

**S5-227008 pCR TR28.913 Add New Solution for Energy Efficiency of a URLLC network slice based on reliability**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: China Unicom, Huawei*

(Replaces S5-226635)

**Discussion:**

Samsung: objects

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

**S5-226455 pCR 28.913 Conclusion and recommendation for KI#1**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: Huawei, Deutsche Telekom*

**Discussion:**

Intel: objects

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

**S5-226456 pCR 28.913 Potential solution for KI#4 EE KPI for V2X network slice**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: Huawei, Deutsche Telekom*

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

##### 6.9.2.2 FS\_EE5G\_Ph2\_WoP#2

**S5-226059 Rel-18 pCR TR 28.913 Add key issue for Energy Saving compensation procedure**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Request for automatic approval of this pCR. This pCR is direct re-submission without changes from SA5#145e approved pCR S5-225864. Original S5-224348 rev4 was revised to S5-225864 post approval in #145e meeting. It is re-submitted for SA5#146 since it was not implemented into TR28.913 in #145e post approval. This pCR is not to be put under discussion because it was already approved in #145e.

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

**S5-226292 Rel-18 pCR TR 28.913 Add conclusion for the key issue Energy Saving compensation procedure**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226333 pCR 28.913 Add new Issue on digital sobriety**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: Huawei, Deutsche Telekom, China Unicom*

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

**S5-226454 pCR TR 28.913 New Key Issue RAN energy saving when using backup batteries**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227063**.

**S5-227063 pCR TR 28.913 New Key Issue RAN energy saving when using backup batteries**

*Type: pCR For: Approval  
 28.913 v0.3.0  
 Source: Huawei*

(Replaces S5-226454)

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

#### 6.9.3 Study on Network and Service Operations for Energy Utilities

REL-18 SI FS\_NSOEU

**S5-226876 TR 28.829 v0.5.0 on Study on network and service operations for energy utilities**

*Type: draft TR For: Agreement  
 28.829 v0.5.0  
 Source: Samsung*

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

##### 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

**S5-226539 Rel-18 pCR 28.829 Corrections**

*Type: pCR For: Approval  
 28.829 v0.4.0  
 Source: Samsung, EUTC, EDF, BMWK*

**Abstract:**

This pCR revisits the approved pCR S5-225865 to address comments received from Vodafone and EUTC.

**Decision:** The document was **revised to S5-226808**.

**S5-226808 Rel-18 pCR 28.829 Corrections**

*Type: pCR For: Approval  
 28.829 v0.4.0  
 Source: Samsung, EUTC, EDF, BMWK*

(Replaces S5-226539)

**Discussion:**

Samsung: The Tdoc is also supported by Deutsche Telekom

**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

##### 6.9.3.8 FS\_NSOEU\_WoP#8

##### 6.9.3.9 FS\_NSOEU\_WoP#9

**S5-226615 Rel-18 pCR 28.829 Use case on Energy System Recovery**

*Type: pCR For: Approval  
 28.829 v0.4.0  
 Source: Samsung*

**Abstract:**

This pCR provides a use case to address objective 3 of the FS\_NSOEU study.

**Discussion:**

Huawei: RTU should be added to abbreviations and explained; no requirement for DSO system (which is not a 3GPP system)

**Decision:** The document was **revised to S5-226809**.

**S5-226809 Rel-18 pCR 28.829 Use case on Energy System Recovery**

*Type: pCR For: Approval  
 28.829 v0.4.0  
 Source: Samsung*

(Replaces S5-226615)

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

##### 6.9.3.10 FS\_NSOEU\_WoP#10

##### 6.9.3.11 FS\_NSOEU\_WoP#11

##### 6.9.3.12 FS\_NSOEU\_WoP#12

##### 6.9.3.13 FS\_NSOEU\_WoP#13

#### 6.9.4 Study on Key Quality Indicators (KQIs)for 5G service experience

REL-18 SI FS\_KQI\_5G

**S5-226886 TR 28.863 v0.4.0 on Study on Key Quality Indicators (KQIs) for 5G service experience**

*Type: draft TR For: Agreement  
 28.863 v0.4.0  
 Source: Huawei*

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

##### 6.9.4.1 FS\_KQI\_5G\_WoP#1

**S5-226298 pCR TR 28.863 Issue #1 Concept of KQI**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227010**.

**S5-227010 pCR TR 28.863 Issue #1 Concept of KQI**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: Huawei*

(Replaces S5-226298)

**Discussion:**

Ericsson: objects

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

**S5-226299 pCR TR 28.863 Issue#1 Difference of KPI, KQI and QoE**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227012**.

**S5-227012 pCR TR 28.863 Issue#1 Difference of KPI, KQI and QoE**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: Huawei*

(Replaces S5-226299)

**Discussion:**

Ericsson: objects

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

**S5-226300 pCR TR 28.863 Issue#1 KQI and management**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227013**.

**S5-227013 pCR TR 28.863 Issue#1 KQI and management**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: Huawei*

(Replaces S5-226300)

**Discussion:**

Ericsson, Samsung: objects

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

**S5-226301 pCR TR 28.863 Issue #3 Video uploading description**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: Huawei*

**Discussion:**

Samsung: the work should have been better allocated to SA6 and not SA5 so SA5 should stop this SI

Nokia: does not

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

**S5-227015 pCR TR 28.863 Issue #3 Video uploading description**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: Huawei*

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

**S5-226302 pCR TR 28.863 Issue#4 Remote control description**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: Huawei*

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

**S5-227016 pCR TR 28.863 Issue#4 Remote control description**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: Huawei*

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

##### 6.9.4.2 FS\_KQI\_5G\_WoP#2

##### 6.9.4.3 FS\_KQI\_5G\_WoP#3

##### 6.9.4.4 FS\_KQI\_5G\_WoP#4

**S5-226389 pCR TR 28.863 Key Issue #5 KQIs for Cloud VR- the solution of KQIs for cloud VR**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: AsiaInfo,Huawei*

**Discussion:**

Objected by Ericsson.

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

**S5-226390 pCR TR 28.863 Key Issue # 5: KQIs for cloud VR- use case of the Cloud VR**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: AsiaInfo,Huawei*

**Discussion:**

Objected by Ericsson.

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

**S5-226391 pCR TR 28.863 Key Issue # 5: KQIs for cloud VR- the background survey of the Cloud VR**

*Type: pCR For: Approval  
 28.863 v0.3.0  
 Source: AsiaInfo,Huawei*

**Discussion:**

Objected by Ericsson.

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

##### 6.9.4.5 FS\_KQI\_5G\_WoP#5

#### 6.9.5 Study on Deterministic Communication Service Assurance

REL-18 SI FS\_DCSA

##### 6.9.5.1 FS\_DCSA\_WoP#1

##### 6.9.5.2 FS\_DCSA\_WoP#2

**S5-226207 pCR 28.865 Add solution of service deployment**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-227017**.

**S5-227017 pCR 28.865 Add solution of service deployment**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

(Replaces S5-226207)

**Discussion:**

Nokia: objects

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

**S5-226208 pCR 28.865 Add solultion of service requirement modeling**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-227018**.

**S5-227018 pCR 28.865 Add solultion of service requirement modeling**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

(Replaces S5-226208)

**Discussion:**

Nokia: objects

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

**S5-226209 pCR 28.865 Add solultion of network preparation**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

**Discussion:**

SA5 Chair: wrong Tdoc number on Tdoc

**Decision:** The document was **revised to S5-227019**.

**S5-227019 pCR 28.865 Add solultion of network preparation**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

(Replaces S5-226209)

**Discussion:**

Nokia: objects

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

**S5-226210 pCR 28.865 Add solution of service and network analysis**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-227020**.

**S5-227020 pCR 28.865 Add solution of service and network analysis**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

(Replaces S5-226210)

**Discussion:**

Nokia: objects

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

##### 6.9.5.3 FS\_DCSA\_WoP#3

##### 6.9.5.4 FS\_DCSA\_WoP#4

**S5-226211 pCR 28.865 Update solution of service assurance for video monitoring**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-227021**.

**S5-227021 pCR 28.865 Update solution of service assurance for video monitoring**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

(Replaces S5-226211)

**Discussion:**

Nokia: objects

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

**S5-226212 pCR 28.865 Update solution of service assurance for PLC control**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

**Decision:** The document was **revised to S5-227022**.

**S5-227022 pCR 28.865 Update solution of service assurance for PLC control**

*Type: pCR For: Approval  
 28.865 v0.3.1  
 Source: Huawei*

(Replaces S5-226212)

**Discussion:**

Nokia: objects

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

##### 6.9.5.5 FS\_DCSA\_WoP#5

#### 6.9.6 Study on management aspects of network slice management capability exposure

REL-18 SI FS\_NSCE

**S5-226875 TR 28.824 v0.10.0 on Study on on network slice management capability exposure**

*Type: draft TR For: Agreement  
 28.824 v0.10.0  
 Source: Alibaba*

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

##### 6.9.6.1 FS\_NSCE\_WoP#1

##### 6.9.6.2 FS\_NSCE\_WoP#2

##### 6.9.6.3 FS\_NSCE\_WoP#3

**S5-226274 pCR 28.824 Concepts of filtering and combination in exposure governance**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-227025**.

**S5-227025 pCR 28.824 Concepts of filtering and combination in exposure governance**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei, Deutsche Telekom*

(Replaces S5-226274)

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

**S5-226275 pCR 28.824 Merge the definition of Exposed Management Services in 4.1.1.1 and Exposed MnS in 4.1.2.1**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei*

**Discussion:**

Telefonica: we are not happy with the term "exposed management service (MnS)" as we do not know what it means

DT: input makes things more unclear

**Decision:** The document was **revised to S5-227031**.

**S5-227031 pCR 28.824 Merge the definition of Exposed Management Services in 4.1.1.1 and Exposed MnS in 4.1.2.1**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei*

(Replaces S5-226275)

**Discussion:**

Samsung: objects

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

**S5-226295 pCR 28.824 Concepts of filtering in exposure governance**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-227030**.

**S5-227030 pCR 28.824 Concepts of filtering in exposure governance**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Alibaba Group*

(Replaces S5-226295)

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

**S5-226514 pCR 28.824 Add expectations and functional blocks as background**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Business requirements from consumer and operator on exposure are defining abstract functional blocks in the architecture. These functional blocks need to be considered by the proposed mechanisms and any further recommendations.

**Discussion:**

Telefonica: administrative domains of 3GPP and non-3GGP stake holders are mixed here which is not acceptable

Huawei: has similar concerns

DT: has also problems with tenant domain

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

**S5-227032 pCR 28.824 Add expectations and functional blocks as background**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226276 pCR 28.824 Merge the use cases related to exposed MnS discovery**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227033**.

**S5-227033 pCR 28.824 Merge the use cases related to exposed MnS discovery**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei*

(Replaces S5-226276)

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

**S5-226277 pCR 28.824 Merge the use cases related to network slice management capability exposure**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227034**.

**S5-227034 pCR 28.824 Merge the use cases related to network slice management capability exposure**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei*

(Replaces S5-226277)

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

**S5-226278 pCR 28.824 Update the description of exposure scenarios in clause 4.1.1**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227035**.

**S5-227035 pCR 28.824 Update the description of exposure scenarios in clause 4.1.1**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei*

(Replaces S5-226278)

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

**S5-226294 pCR 28.824 Update Solution for network slice management capability exposure via CAPIF**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-227036**.

**S5-227036 pCR 28.824 Update Solution for network slice management capability exposure via CAPIF**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Alibaba Group*

(Replaces S5-226294)

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

**S5-226327 pCR TR 28.824 Handling of customer’s requirement for network slice management capabilities exposure**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-227037**.

**S5-227037 pCR TR 28.824 Handling of customer’s requirement for network slice management capabilities exposure**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei*

(Replaces S5-226327)

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

##### 6.9.6.4 FS\_NSCE\_WoP#4

**S5-226321 pCR 28.824 Add cons for alternative 1**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei*

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

**S5-226325 pCR TR 28.824 Add Reference Architecture**

*Type: pCR For: Approval  
 28.824 v0.9.0  
 Source: Huawei, Deutsche Telekom*

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

#### 6.9.7 Study on alignment with ETSI MEC for Edge computing management

REL-18 SI FS\_MEC\_ECM

##### 6.9.7.1 FS\_MEC\_ECM\_WoP#1

##### 6.9.7.2 FS\_MEC\_ECM\_WoP#2

### 6.10 Latest draft TS/TR email approvals

## 7 Charging

Section 7 was chaired by SA5 VC Gerald Goermer (Matrixx) in the parallel Charging (CH) session

### 7.1 Charging Plenary

**S5-226007 CH agenda and time plan**

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

**Abstract:**

late Tdoc

**Decision:** The document was **revised to S5-226358**.

**S5-226358 CH agenda and time plan**

*Type: agenda For: Information  
 Source: SA5 Charging chair*

(Replaces S5-226007)

**Abstract:**

S5-226538 is the resulting version at the end of the CH session

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

**S5-226008 Charging exec report**

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

**Discussion:**

conclusion: extra folder for CH drafts is planned under Inbox/Drafts on the meeting server from next meeting onwards;

all 48 CRs of slide 16 in the embedded document are agreed

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

**S5-226074 LS reply on Reference point allocation to support charging services**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2209259*

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

**S5-226075 LS on reporting dynamic satellite backhaul parameters to CHF**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2209607*

**Discussion:**

draft reply LS in S5-226534

**Decision:** The document was **replied to in S5-226685**.

**S5-226534 [DRAFT] Reply LS to S2-2209607 = S5-226075 on reporting dynamic satellite backhaul parameters to CHF (to: SA2; cc: -; contact: CATT)**

*Type: LS out For: Approval  
 to SA2  
 Source: CATT*

**Decision:** The document was **revised to S5-226685**.

**S5-226685 Reply LS to S2-2209607 = S5-226075 on reporting dynamic satellite backhaul parameters to CHF (to: SA2; cc: -; contact: CATT)**

*Type: LS out For: Approval  
 to SA2  
 Source: CICT*

(Replaces S5-226534)

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

**S5-226077 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 **postponed**.

**S5-226646 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*

**Abstract:**

moved from AI 5.3 to AI 7.1

**Discussion:**

Tdoc was actually not treated in CH session as it appeared under AI 5.3

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

**S5-226460 Collection of useful charging endorsed and external communication documents**

*Type: other For: Agreement  
 Source: Huawei*

**Discussion:**

SA5 VC (Matrixx): will be updated during SA5#146 to cover discussion papers and the latest update on 3GPP Highlights issue 5 - Nov

**Decision:** The document was **revised to S5-226686**.

**S5-226686 Collection of useful charging endorsed and external communication documents**

*Type: other For: Agreement  
 Source: Huawei*

(Replaces S5-226460)

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

### 7.2 New Charging Work Item proposals

**S5-226134 New SID CHF Segmentation**

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

**Decision:** The document was **revised to S5-226687**.

**S5-226687 New SID CHF Segmentation**

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

(Replaces S5-226134)

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

**S5-226135 New WID on CHF Distributed Availability**

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

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

**S5-226357 New WID on NSACF Charging in 5G System**

*Type: WID new For: Agreement  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-226688**.

**S5-226688 New WID on enhanced Network slice Charging in 5G System**

*Type: WID new For: Agreement  
 Source: MATRIXX Software*

(Replaces S5-226357)

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

**S5-226461 New SID on 5G Advanced Charging**

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

**Decision:** The document was **revised to S5-226689**.

**S5-226689 New SID on 5G Advanced Charging**

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

(Replaces S5-226461)

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

**S5-226533 Discussion paper on Satellite Charging**

*Type: discussion For: Endorsement  
 Source: CATT*

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

**S5-226532 New study item on Satellite Charging**

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

**Decision:** The document was **revised to S5-226690**.

**S5-226690 New study item on Satellite Charging**

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

(Replaces S5-226532)

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

### 7.3 Charging Maintenance and Rel-18 small Enhancements

"Maintenance" =pre-REL-18

**S5-226137 Rel-17 TS 32.240 Editor's Notes Removal**

*Type: CR For: Agreement  
 32.240 v17.7.0 CR-0447 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226138 Rel-18 TS 32.240 Editor's Notes Removal**

*Type: CR For: Agreement  
 32.240 v18.0.0 CR-0448 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226711**.

**S5-226711 CR to Rel-18 TS 32.240 Editor's Notes Removal**

*Type: CR For: Agreement  
 32.240 v18.0.0 CR-0448 rev 1 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226138)

**Discussion:**

MCC: shows rev.2 on CR cover

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

**S5-226139 Rel-18 CR 32.291 Handling of Retry Correction**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0430 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226712**.

**S5-226712 Rel-17 CR 32.291 Handling of Retry Correction**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0430 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226139)

**Abstract:**

REL corrected

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

**S5-226140 Rel-18 CR 32.291 SIP Request/Answer with different Timestamps**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0431 Cat: C (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226713**.

**S5-226713 Rel-17 CR 32.291 SIP Request/Answer with different Timestamps**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0431 rev 1 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226140)

**Abstract:**

REL corrected

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

**S5-226141 Rel-18 CR 32.298 gNbValue datatype size correction**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0917 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-226714**.

**S5-226714 Rel-17 CR 32.298 gNbValue datatype size correction**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0917 rev 1 Cat: A (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-226141)

**Abstract:**

REL corrected

**Discussion:**

MCC: shows rev. 2 on CR cover

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

**S5-226715 Rel-16 CR 32.298 gNbValue datatype size correction**

*Type: CR For: Agreement  
 32.298 v16.11.0 CR-0924 Cat: F (Rel-16)  
  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

only allocated during SA5 #146

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

**S5-226196 Rel-17 CR 32.291 Add SMF Charging Id in Offline Charging**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0432 Cat: F (Rel-17)  
  
 Source: Amdocs*

**Decision:** The document was **revised to S5-226716**.

**S5-226716 Rel-17 CR 32.291 Add SMF Charging Id in Offline Charging**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0432 rev 1 Cat: F (Rel-17)  
  
 Source: Amdocs*

(Replaces S5-226196)

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

**S5-226197 Rel-16 CR 32.291 Correcting SMSF as Node Functionality**

*Type: CR For: Agreement  
 32.291 v16.13.0 CR-0433 Cat: F (Rel-16)  
  
 Source: Amdocs*

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

**S5-226198 Rel-17 CR 32.291 Correcting SMSF as Node Functionality**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0434 Cat: F (Rel-17)  
  
 Source: Amdocs*

**Decision:** The document was **revised to S5-226717**.

**S5-226717 Rel-17 CR 32.291 Correcting SMSF as Node Functionality**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0434 rev 1 Cat: A (Rel-17)  
  
 Source: Amdocs*

(Replaces S5-226198)

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

**S5-226199 Rel-17 CR 32.240 Add the missing reference point for EES charging**

*Type: CR For: Agreement  
 32.240 v17.7.0 CR-0449 Cat: F (Rel-17)  
  
 Source: Intel, MATRIXX Software*

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

**S5-226200 Rel-18 CR 32.240 Add the missing reference point for EES charging**

*Type: CR For: Agreement  
 32.240 v18.0.0 CR-0450 Cat: A (Rel-18)  
  
 Source: Intel, MATRIXX Software*

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

**S5-226201 Rel-17 CR 32.257 Add the missing reference point for EES charging**

*Type: CR For: Agreement  
 32.257 v17.1.0 CR-0004 Cat: F (Rel-17)  
  
 Source: Intel, MATRIXX Software*

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

**S5-226221 Rel-17 CR 32.291 Case Mismatch for Management Operation**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0436 Cat: F (Rel-17)  
  
 Source: Amdocs*

**Discussion:**

add yaml correction

**Decision:** The document was **revised to S5-226719**.

**S5-226719 Rel-17 CR 32.291 Case Mismatch for Management Operation**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0436 rev 1 Cat: A (Rel-17)  
  
 Source: Amdocs*

(Replaces S5-226221)

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

**S5-226323 Rel-17 CR 32.298 Add IMS Node in CHF CDRs**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0918 Cat: F (Rel-17)  
  
 Source: Amdocs*

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

**S5-226324 Rel-17 CR 32.291 Add Missing Consumers in Converged Charging**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0437 Cat: F (Rel-17)  
  
 Source: Amdocs*

**Discussion:**

Focus on 5G DDNMF

**Decision:** The document was **revised to S5-226720**.

**S5-226720 Rel-17 CR 32.291 Add Missing Consumers in Converged Charging**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0437 rev 1 Cat: F (Rel-17)  
  
 Source: Amdocs*

(Replaces S5-226324)

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

**S5-226329 Rel-15 CR 32.291 Add Missing Result Code**

*Type: CR For: Agreement  
 32.291 v15.8.0 CR-0439 Cat: F (Rel-15)  
  
 Source: Amdocs*

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

**S5-226328 Rel-16 CR 32.291 Add Missing Result Code**

*Type: CR For: Agreement  
 32.291 v16.13.0 CR-0438 Cat: F (Rel-16)  
  
 Source: Amdocs*

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

**S5-226330 Rel-17 CR 32.291 Add Missing Result Code**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0440 Cat: F (Rel-17)  
  
 Source: Amdocs*

**Decision:** The document was **revised to S5-226721**.

**S5-226721 Rel-17 CR 32.291 Correction on Result Code**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0440 rev 1 Cat: F (Rel-17)  
  
 Source: Amdocs*

(Replaces S5-226330)

**Abstract:**

title changed

**Discussion:**

wrong rev.12 shown on CR cover

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

**S5-226331 Rel-16 CR 32.291 Correction of Trigger Types in Offline Charging**

*Type: CR For: Agreement  
 32.291 v16.13.0 CR-0441 Cat: F (Rel-16)  
  
 Source: Amdocs*

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

**S5-226332 Rel-17 CR 32.291 Correction of Trigger Types in Offline Charging**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0442 Cat: F (Rel-17)  
  
 Source: Amdocs*

**Decision:** The document was **revised to S5-226722**.

**S5-226722 Rel-17 CR 32.291 Correction of Trigger Types in Offline Charging**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0442 rev 1 Cat: A (Rel-17)  
  
 Source: Amdocs*

(Replaces S5-226332)

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

**S5-226335 Rel-16 CR 32.291 Case Mismatch for Management Operation**

*Type: CR For: Agreement  
 32.291 v16.13.0 CR-0443 Cat: F (Rel-16)  
  
 Source: Amdocs*

**Discussion:**

Add yaml correction

**Decision:** The document was **revised to S5-226718**.

**S5-226718 Rel-16 CR 32.291 Case Mismatch for Management Operation**

*Type: CR For: Agreement  
 32.291 v16.13.0 CR-0443 rev 1 Cat: F (Rel-16)  
  
 Source: Amdocs*

(Replaces S5-226335)

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

**S5-226418 Rel-17 CR 32.254 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.254 v17.2.0 CR-0023 rev 2 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-225268)

**Discussion:**

MCC: wrong spec version on CR cover

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

**S5-226659 Rel-17 CR 32.254 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.254 v17.2.0 CR-0023 rev 3 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-226419 Rel-17 CR 32.291 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0391 rev 2 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-225269)

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

**S5-226420 Rel-17 CR 32.298 Missing operation and identifier in NEF charging information**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0896 rev 2 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-225270)

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

**S5-226421 Rel-17 CR 32.298 Correction presence reporting in roaming QBC information**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0919 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

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

**S5-226422 Rel-17 CR 32.290 Missing IMS-Node for release**

*Type: CR For: Agreement  
 32.290 v17.5.0 CR-0187 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Discussion:**

WI code discrepancy -> 5GSIMSCH

**Decision:** The document was **revised to S5-226725**.

**S5-226725 Rel-17 CR 32.290 Missing IMS-Node for release**

*Type: CR For: Agreement  
 32.290 v17.5.0 CR-0187 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-226422)

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

**S5-226423 Rel-18 CR 32.290 Missing IMS-Node for release**

*Type: CR For: Agreement  
 32.290 v18.0.0 CR-0188 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

**Discussion:**

WI code discrepancy -> 5GSIMSCH

**Decision:** The document was **revised to S5-226726**.

**S5-226726 Rel-18 CR 32.290 Missing IMS-Node for release**

*Type: CR For: Agreement  
 32.290 v18.0.0 CR-0188 rev 1 Cat: A (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-226423)

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

**S5-226424 Rel-17 CR 32.255 Correction on usage of PLMN-ID in Charging Id**

*Type: CR For: Agreement  
 32.255 v17.7.0 CR-0410 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226727**.

**S5-226727 Rel-17 CR 32.255 Correction on usage of PLMN-ID in Charging Id**

*Type: CR For: Agreement  
 32.255 v17.7.0 CR-0410 rev 1 Cat: F (Rel-17)  
  
 Source: Ericsson LM*

(Replaces S5-226424)

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

**S5-226462 Rel-16 CR 32.255 Delete the change of PRA for Roaming**

*Type: CR For: Agreement  
 32.255 v16.12.0 CR-0411 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-226463 Rel-17 CR 32.255 Delete the change of PRA for Roaming**

*Type: CR For: Agreement  
 32.255 v17.7.0 CR-0412 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-226464 Rel-16 CR 32.256 Correction on the Triggers for AMF**

*Type: CR For: Agreement  
 32.256 v16.2.0 CR-0008 Cat: F (Rel-16)  
  
 Source: Huawei*

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

**S5-226465 Rel-17 CR 32.256 Correction on the Triggers for AMF**

*Type: CR For: Agreement  
 32.256 v17.1.0 CR-0009 Cat: A (Rel-17)  
  
 Source: Huawei*

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

**S5-226466 Rel-16 CR 32.254 Addition of the Triggers for NEF**

*Type: CR For: Agreement  
 32.254 v16.5.0 CR-0025 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226843**.

**S5-226843 Rel-16 CR 32.254 Addition of the Triggers for NEF**

*Type: CR For: Agreement  
 32.254 v16.5.0 CR-0025 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-226466)

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

**S5-226467 Rel-17 CR 32.254 Addition of the Triggers for NEF**

*Type: CR For: Agreement  
 32.254 v17.2.0 CR-0026 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226844**.

**S5-226844 Rel-17 CR 32.254 Addition of the Triggers for NEF**

*Type: CR For: Agreement  
 32.254 v17.2.0 CR-0026 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226467)

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

**S5-226468 Rel-16 CR 32.254 Correction on the notifyURI for NEF Charging**

*Type: CR For: Agreement  
 32.254 v16.5.0 CR-0027 Cat: F (Rel-16)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226845**.

**S5-226845 Rel-16 CR 32.254 Correction on the notifyURI for NEF Charging**

*Type: CR For: Agreement  
 32.254 v16.5.0 CR-0027 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei*

(Replaces S5-226468)

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

**S5-226469 Rel-17 CR 32.254 Correction on the notifyURI for NEF Charging**

*Type: CR For: Agreement  
 32.254 v17.2.0 CR-0028 Cat: A (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226846**.

**S5-226846 Rel-17 CR 32.254 Correction on the notifyURI for NEF Charging**

*Type: CR For: Agreement  
 32.254 v17.2.0 CR-0028 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226469)

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

**S5-226470 Discussion Paper on Failure and Restart for Charging**

*Type: discussion For: Agreement  
 Source: Huawei*

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

**S5-226471 Rel-17 CR 32.290 Correction of Charging notification**

*Type: CR For: Agreement  
 32.290 v17.5.0 CR-0189 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226868**.

**S5-226868 Rel-17 CR 32.290 Correction of Charging notification**

*Type: CR For: Agreement  
 32.290 v17.5.0 CR-0189 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226471)

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

**S5-226472 Rel-18 CR 32.290 Correction of Charging notification**

*Type: CR For: Agreement  
 32.290 v18.0.0 CR-0190 Cat: A (Rel-18)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226869**.

**S5-226869 Rel-18 CR 32.290 Correction of Charging notification**

*Type: CR For: Agreement  
 32.290 v18.0.0 CR-0190 rev 1 Cat: A (Rel-18)  
  
 Source: Huawei*

(Replaces S5-226472)

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

**S5-226473 Rel-17 CR 32.291 Charging notification Failover**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0445 Cat: F (Rel-17)  
  
 Source: Huawei*

**Discussion:**

By default, charging specifications support all features defined in 3GPP TS 29.500, including subclause 6.5.3.2 of 3GPP TS 29.500.

Only not supported features should be clarified.

**Decision:** The document was **revised to S5-226870**.

**S5-226870 Rel-17 CR 32.291 Charging notification Failover**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0445 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226473)

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

**S5-226474 LS on NF consumer Failure and Restart for Charging (to: CT4; cc: SA2; contact: Huawei)**

*Type: LS out For: Approval  
 to CT4, cc SA2  
 Source: Huawei*

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

**S5-226475 Rel-17 CR 32.290 Addition of the NF consumer for EC Charging**

*Type: CR For: Agreement  
 32.290 v17.5.0 CR-0191 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-226476 Rel-18 CR 32.290 Addition of the NF consumer for EC Charging**

*Type: CR For: Agreement  
 32.290 v18.0.0 CR-0192 Cat: A (Rel-18)  
  
 Source: Huawei*

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

**S5-226477 Rel-17 CR 32.291 Addition of the NodeFunctionality for EC**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0446 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-226478 Rel-17 CR 32.298 Addition of the EES in the CHF CDR**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0921 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226847**.

**S5-226847 Rel-17 CR 32.298 Addition of the EES in the CHF CDR**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0921 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226478)

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

**S5-226479 Rel-16 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging**

*Type: CR For: Agreement  
 32.291 v16.13.0 CR-0447 Cat: F (Rel-16)  
  
 Source: Huawei,Amdocs*

**Discussion:**

WI code discrepancy -> OFSBI\_CH

**Decision:** The document was **revised to S5-226723**.

**S5-226723 Rel-16 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging**

*Type: CR For: Agreement  
 32.291 v16.13.0 CR-0447 rev 1 Cat: F (Rel-16)  
  
 Source: Huawei,Amdocs*

(Replaces S5-226479)

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

**S5-226480 Rel-17 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0448 Cat: A (Rel-17)  
  
 Source: Huawei,Amdocs*

**Discussion:**

WI code discrepancy -> OFSBI\_CH

**Decision:** The document was **revised to S5-226724**.

**S5-226724 Rel-17 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0448 rev 1 Cat: A (Rel-17)  
  
 Source: Huawei,Amdocs*

(Replaces S5-226480)

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

**S5-226481 Rel-17 CR 32.290 Clarification on the CHF-controlled quota management**

*Type: CR For: Agreement  
 32.290 v17.5.0 CR-0193 Cat: F (Rel-17)  
  
 Source: Huawei*

**Discussion:**

WI code discrepancy -> CHFCQM (Rel-16)

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

**S5-226482 Rel-18 CR 32.290 Clarification on the CHF-controlled quota management**

*Type: CR For: Agreement  
 32.290 v18.0.0 CR-0194 Cat: F (Rel-18)  
  
 Source: Huawei*

**Discussion:**

MCC: CR cat. unclear (F or A?)

WI code discrepancy -> CHFCQM (Rel-16)

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

**S5-226483 Rel-17 CR 32.260 Addition of the IMS Charging CHF CDR**

*Type: CR For: Agreement  
 32.260 v17.4.0 CR-0429 Cat: F (Rel-17)  
  
 Source: Huawei*

**Decision:** The document was **revised to S5-226871**.

**S5-226871 Rel-17 CR 32.260 Addition of the IMS Charging CHF CDR**

*Type: CR For: Agreement  
 32.260 v17.4.0 CR-0429 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226483)

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

**S5-226484 Rel-17 CR 32.298 Addition of the IMS Charging in the CHF CDR**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0922 Cat: F (Rel-17)  
  
 Source: Huawei*

**Discussion:**

MCC: WI code discrepancy (TEI17 as on CR cover or TEI17, 5GSIMSCH as requested in 3GU?)

**Decision:** The document was **revised to S5-226872**.

**S5-226872 Rel-17 CR 32.298 Addition of the IMS Charging in the CHF CDR**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0922 rev 1 Cat: F (Rel-17)  
  
 Source: Huawei*

(Replaces S5-226484)

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

**S5-226485 Discussion Paper on Triggers in the CHF CDR**

*Type: discussion For: Endorsement  
 Source: Huawei*

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

**S5-226486 Rel-17 CR 32.298 Addition of the Triggers in the CHF CDR**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0923 Cat: F (Rel-17)  
  
 Source: Huawei*

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

**S5-226565 Rel-17 CR 32.277 Adding ProSe Converge Charging Architecture in reference point representation**

*Type: CR For: Agreement  
 32.277 v17.3.0 CR-0050 Cat: F (Rel-17)  
  
 Source: CATT*

**Discussion:**

MCC: WI code spelling error on CR cover;

this is a REL-17 CR;

5G\_ProSe\_CH on CR cover (this WI does not exist; what exists is REL-17 SI FS\_5G\_Prose\_CH)

ProSe-CH-SA5 is shown in 3GU (was a REL-12 WI);

so what's correct?

WI code discrepancy -> 5G\_ProSe

**Decision:** The document was **revised to S5-226865**.

**S5-226865 Rel-17 CR 32.277 Adding ProSe Converge Charging Architecture in reference point representation**

*Type: CR For: Agreement  
 32.277 v17.3.0 CR-0050 rev 1 Cat: F (Rel-17)  
  
 Source: CATT*

(Replaces S5-226565)

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

**S5-226566 Rel-17 CR 32.240 Adding PR definitions for ProSe in Charging Architecture**

*Type: CR For: Agreement  
 32.240 v17.7.0 CR-0451 Cat: F (Rel-17)  
  
 Source: CATT*

**Discussion:**

MCC: WI code spelling error on CR cover;

this is a REL-17 CR;

5G\_ProSe\_CH on CR cover (this WI does not exist; what exists is REL-17 SI FS\_5G\_Prose\_CH)

ProSe-CH-SA5 is shown in 3GU (was a REL-12 WI);

so what's correct?

WI code discrepancy -> 5G\_ProSe

**Decision:** The document was **revised to S5-226866**.

**S5-226866 Rel-17 CR 32.240 Adding PR definitions for ProSe in Charging Architecture**

*Type: CR For: Agreement  
 32.240 v17.7.0 CR-0451 rev 1 Cat: F (Rel-17)  
  
 Source: CATT*

(Replaces S5-226566)

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

**S5-226569 Rel-18 CR 32.240 Adding PR definitions for ProSe in Charging Architecture**

*Type: CR For: Agreement  
 32.240 v18.0.0 CR-0452 Cat: A (Rel-18)  
  
 Source: CATT*

**Discussion:**

MCC: WI code spelling error on CR cover;

this is a REL-18 CR;

5G\_ProSe\_CH on CR cover (this WI does not exist; what exists is REL-17 SI FS\_5G\_Prose\_CH)

ProSe-CH-SA5 is shown in 3GU (was a REL-12 WI);

WI code discrepancy -> 5G\_ProSe

**Decision:** The document was **revised to S5-226867**.

**S5-226867 Rel-18 CR 32.240 Adding PR definitions for ProSe in Charging Architecture**

*Type: CR For: Agreement  
 32.240 v18.0.0 CR-0452 rev 1 Cat: A (Rel-18)  
  
 Source: CATT*

(Replaces S5-226569)

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

**S5-226645 Adding qbclndicator to SmPolicyDecision and QosData respectively**

*Type: CR For: Agreement  
 32.255 v17.7.0 CR-0413 Cat: B (Rel-17)  
  
 Source: IPLOOK*

**Abstract:**

late Tdoc

**Discussion:**

MCC: WI code discrepancy (TEI17 as on CR cover or TEI16 as requested in 3GU ?); cat.B CR to frozen REL?

The presence of Roaming QBC Information can used for indicate the presence of QBC.

Other additional indications should be discussed either in SA3 for TS 23.503 or in CT3 for TS 29.512.

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

**S5-226220 Rel-16 CR 32.291 Correcting Node Functionality in Offline Charging**

*Type: CR For: Agreement  
 32.291 v16.13.0 CR-0435 Cat: F (Rel-16)  
  
 Source: Amdocs*

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

**S5-226873 Rel-18 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0451 Cat: F (Rel-18)  
  
 Source: Huawei*

**Abstract:**

only allocated during SA5 #146 in CH session

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

### 7.4 Rel-18 Charging

#### 7.4.1 Multimedia Messaging Service Charging using service-based interface

REL-18 WI MMS\_CH\_SBI

**S5-226425 Rel-18 CR 32.291 Addition of MMS converged charging information**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0444 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226691**.

**S5-226691 Rel-18 CR 32.291 Addition of MMS converged charging information**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0444 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-226425)

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

**S5-226426 Rel-18 CR 32.298 Addition of MMS converged charging information**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0920 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226692**.

**S5-226692 Rel-18 CR 32.298 Addition of MMS converged charging information**

*Type: CR For: Agreement  
 32.298 v17.4.0 CR-0920 rev 1 Cat: B (Rel-18)  
  
 Source: Ericsson LM*

(Replaces S5-226426)

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

**S5-226683 Rel-16 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v16.13.0 CR-0449 Cat: F (Rel-16)  
  
 Source: Huawei*

**Abstract:**

only allocated during SA5 #146 in CH session

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

**S5-226684 Rel-17 CR 32.291 Update OpenAPI version**

*Type: CR For: Agreement  
 32.291 v17.4.0 CR-0450 Cat: F (Rel-17)  
  
 Source: Huawei*

**Abstract:**

only allocated during SA5 #146in CH session

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

### 7.5 Charging studies

#### 7.5.1 Study on charging aspects for enhancements of Network Slicing Phase 2

REL-18 SI FS\_NETSLICE\_CH\_Ph2

**S5-226349 Rel-18 pCR 32.847 Solve Editors Notes on evaluation for KI#1**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-226693**.

**S5-226693 Rel-18 pCR 32.847 Solve Editors Notes on evaluation for KI#1**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: MATRIXX Software*

(Replaces S5-226349)

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

**S5-226353 Rel-18 pCR 32.847 Clarify solution #1.6 description**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: MATRIXX Software*

**Discussion:**

conclusion: revised in S5-226848 merging S5-226427, S5-226428

**Decision:** The document was **revised to S5-226848**.

**S5-226848 Rel-18 pCR 32.847 Clarify solution #1.6 description**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: MATRIXX Software*

(Replaces S5-226353)

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

**S5-226427 Rel-18 pCR 32.847 Adding a solution using separate CHF defined max UE**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: Ericsson LM*

**Discussion:**

conclusion: merged with S5-226353 into S5-226848

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

**S5-226354 Rel-18 pCR 32.847 Add conclusion for Key issue#1**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-226849**.

**S5-226849 Rel-18 pCR 32.847 Add conclusion for Key issue#1**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: MATRIXX Software*

(Replaces S5-226354)

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

**S5-226355 Rel-18 pCR 32.847 Correction on evaluation for KI#2**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-226850**.

**S5-226850 Rel-18 pCR 32.847 Correction on evaluation for KI#2**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: MATRIXX Software*

(Replaces S5-226355)

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

**S5-226428 Rel-18 pCR 32.847 Adding a solution using separate CHF defined max sessions**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: Ericsson LM*

**Discussion:**

conclusion: merged with S5-226353 into S5-226848

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

**S5-226356 Rel-18 pCR 32.847 Add conclusion for Key issue#2**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: MATRIXX Software*

**Decision:** The document was **revised to S5-226851**.

**S5-226851 Rel-18 pCR 32.847 Add conclusion for Key issue#2**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: MATRIXX Software*

(Replaces S5-226356)

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

**S5-226487 Rel-18 pCR 32.847 Remove the Requirement REQ-NSCH-08**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: Huawei*

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

**S5-226488 Rel-18 pCR 32.847 Correction on the uniform terminology**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226852**.

**S5-226852 Rel-18 pCR 32.847 Correction on the uniform terminology**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: Huawei*

(Replaces S5-226488)

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

**S5-226490 Rel-18 pCR 32.847 Clarification on the Maximum**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226853**.

**S5-226853 Rel-18 pCR 32.847 Clarification on the Maximum**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: Huawei*

(Replaces S5-226490)

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

**S5-226489 Rel-18 pCR 32.847 Conclusion on the Key Issue #7**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226854**.

**S5-226854 Rel-18 pCR 32.847 Conclusion on the Key Issue #7**

*Type: pCR For: Approval  
 32.847 v1.4.0  
 Source: Huawei*

(Replaces S5-226489)

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

**S5-226678 Draft TR 32.847 v1.5.0**

*Type: draft TR For: Agreement  
 32.847 v1.5.0  
 Source: MATRIXX Software*

**Discussion:**

Tdoc was misused for a 28.104 CR0016 rev 1

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

**S5-227089 Draft TR 32.847 v1.5.0**

*Type: draft TR For: Agreement  
 32.847 v1.5.0  
 Source: MATRIXX Software*

**Discussion:**

SI completion level will be increased from 85% to 95%

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

#### 7.5.2 Study on Nchf charging services phase 2

REL-18 SI FS\_NCHF\_Ph2

**S5-226136 Rel-18 pCR TR 28.826 Adding new use case for IoT Devices**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-226429 Rel-18 pCR 28.826 Undefined attribute handling in CDR**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226855**.

**S5-226855 Rel-18 pCR 28.826 Undefined attribute handling in CDR**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Ericsson LM*

(Replaces S5-226429)

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

**S5-226430 Rel-18 pCR 28.826 Use of requested units at suspended**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Ericsson LM*

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

**S5-226431 Rel-18 pCR 28.826 Adding solution in clause 5.1 using new trigger category**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Ericsson LM*

**Discussion:**

New trigger variant

**Decision:** The document was **revised to S5-226856**.

**S5-226856 Rel-18 pCR 28.826 Adding solution in clause 5.1 using new trigger category**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Ericsson LM*

(Replaces S5-226431)

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

**S5-226432 Rel-18 pCR 28.826 Adding solution for size of charging information**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Ericsson LM*

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

**S5-226433 Rel-18 pCR 28.826 Adding key issues for documentation structure**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Ericsson LM*

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

**S5-226434 Rel-18 pCR 28.826 Adding solution in clause 5.1 not splitting rating group**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226857**.

**S5-226857 Rel-18 pCR 28.826 Adding solution in clause 5.1 not splitting rating group**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Ericsson LM*

(Replaces S5-226434)

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

**S5-226491 Rel-18 pCR 28.826 Addition of optimization on charging information accuracy**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226858**.

**S5-226858 Rel-18 pCR 28.826 Addition of optimization on charging information accuracy**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

(Replaces S5-226491)

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

**S5-226492 Rel-18 pCR 28.826 Addition of Bitrate charging**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226859**.

**S5-226859 Rel-18 pCR 28.826 Addition of Bitrate charging**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

(Replaces S5-226492)

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

**S5-226493 Rel-18 pCR 28.826 Addition of Threshold based re-authorization triggers optimization**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226860**.

**S5-226860 Rel-18 pCR 28.826 Addition of Threshold based re-authorization triggers optimization**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

(Replaces S5-226493)

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

**S5-226494 Rel-18 pCR 28.826 Clarifiy the Cancel Operation**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226861**.

**S5-226861 Rel-18 pCR 28.826 Clarifiy the Cancel Operation**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

(Replaces S5-226494)

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

**S5-226495 Rel-18 pCR 28.826 Clarify the Non-Blocking solution**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226862**.

**S5-226862 Rel-18 pCR 28.826 Clarify the Non-Blocking solution**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

(Replaces S5-226495)

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

**S5-226496 Rel-18 pCR 28.826 Optimization of the Binding**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226863**.

**S5-226863 Rel-18 pCR 28.826 Optimization of the Binding**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

(Replaces S5-226496)

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

**S5-226497 Rel-18 pCR 28.826 Simplify the structure of CDR record**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226864**.

**S5-226864 Rel-18 pCR 28.826 Simplify the structure of CDR record**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

(Replaces S5-226497)

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

**S5-226498 Rel-18 pCR 28.826 Common IEs applied in the service charging specifications**

*Type: pCR For: Approval  
 28.826 v1.0.0  
 Source: Huawei*

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

**S5-226679 Draft TR 28.826 v1.1.0**

*Type: draft TR For: Agreement  
 28.826 v1.1.0  
 Source: Ericsson LM*

**Discussion:**

SI completion level will be increased from 70% to 75%

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

#### 7.5.3 Study on 5G roaming charging architecture for wholesale and retail scenarios

REL-18 SI FS\_CHROAM

**S5-226435 Rel-18 pCR 28.827 Correcting solution for charging trigger configuration**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226694**.

**S5-226694 Rel-18 pCR 28.827 Correcting solution for charging trigger configuration**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

(Replaces S5-226435)

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

**S5-226436 Rel-18 pCR 28.827 Evaluation of solutions for clause 7.1**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

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

**S5-226437 Rel-18 pCR 28.827 Restructure clause 7.2.1**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

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

**S5-226438 Rel-18 pCR 28.827 Adding solution for SMS in clause 7.2**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226695**.

**S5-226695 Rel-18 pCR 28.827 Adding solution for SMS in clause 7.2**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

(Replaces S5-226438)

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

**S5-226439 Rel-18 pCR 28.827 Updating solutions 2.10 and 2.11**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226696**.

**S5-226696 Rel-18 pCR 28.827 Updating solutions 2.10 and 2.11**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

(Replaces S5-226439)

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

**S5-226440 Rel-18 pCR 28.827 Correcting solutions 2.13 to 2.15**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226697**.

**S5-226697 Rel-18 pCR 28.827 Correcting solutions 2.13 to 2.15**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

(Replaces S5-226440)

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

**S5-226441 Rel-18 pCR 28.827 New key issue for selection of charging information in clause 7.2.3**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226698**.

**S5-226698 Rel-18 pCR 28.827 New key issue for selection of charging information in clause 7.2.3**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

(Replaces S5-226441)

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

**S5-226442 Rel-18 pCR 28.827 Evaluation of solutions for clause 7.2**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226699**.

**S5-226699 Rel-18 pCR 28.827 Evaluation of solutions for clause 7.2**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

(Replaces S5-226442)

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

**S5-226443 Rel-18 pCR 28.827 Evaluation of solutions for clause 7.3**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226700**.

**S5-226700 Rel-18 pCR 28.827 Evaluation of solutions for clause 7.3**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

(Replaces S5-226443)

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

**S5-226444 Rel-18 pCR 28.827 Evaluation of solutions for clause 7.4**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226701**.

**S5-226701 Rel-18 pCR 28.827 Evaluation of solutions for clause 7.4**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

(Replaces S5-226444)

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

**S5-226445 Rel-18 pCR 28.827 Evaluation of solutions for clause 7.5**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226702**.

**S5-226702 Rel-18 pCR 28.827 Evaluation of solutions for clause 7.5**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

(Replaces S5-226445)

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

**S5-226446 Rel-18 pCR 28.827 Adding solution in clause 7.6 for UE usage information reporting**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Ericsson LM*

**Discussion:**

Clarification on Distributed CTF in Annex D of TS 32.240 will follow

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

**S5-226447 Discussion paper on comparison between double or single CHF**

*Type: discussion For: Endorsement  
 28.827 v..  
 Source: Ericsson LM*

**Discussion:**

CH group preference is Option C

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

**S5-226499 Rel-18 pCR 28.827 Add new solution for PDU session level negotiation**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226703**.

**S5-226703 Rel-18 pCR 28.827 Add new solution for PDU session level negotiation**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Huawei*

(Replaces S5-226499)

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

**S5-226500 Rel-18 pCR 28.827 Add new solution for QBC trigger setting**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226704**.

**S5-226704 Rel-18 pCR 28.827 Add new solution for QBC trigger setting**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Huawei*

(Replaces S5-226500)

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

**S5-226501 Rel-18 pCR 28.827 Add new solution for Roaming Charging Profile Update**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226705**.

**S5-226705 Rel-18 pCR 28.827 Add new solution for Roaming Charging Profile Update**

*Type: pCR For: Approval  
 28.827 v1.4.0  
 Source: Huawei*

(Replaces S5-226501)

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

**S5-226680 Draft TR 28.827 v1.5.0**

*Type: draft TR For: Agreement  
 28.827 v1.5.0  
 Source: Ericsson LM*

**Discussion:**

SI completion level will be increased from 85% to 90%

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

#### 7.5.4 Study on Charging Aspects for Enhanced support of Non-Public Networks

REL-18 SI FS\_eNPN\_CH

**S5-226410 Rel-18 pCR 28.828 Add evaluation and conclusion for PNI-NPN topic 1**

*Type: pCR For: Approval  
 28.828 v1.0.0  
 Source: China Mobile*

**Decision:** The document was **revised to S5-226706**.

**S5-226706 Rel-18 pCR 28.828 Add evaluation and conclusion for PNI-NPN topic 1**

*Type: pCR For: Approval  
 28.828 v1.0.0  
 Source: China Mobile*

(Replaces S5-226410)

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

**S5-226448 Rel-18 pCR 28.828 Addition of solution in clause 5.2 using separate CCS**

*Type: pCR For: Approval  
 28.828 v1.0.0  
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-226707**.

**S5-226707 Rel-18 pCR 28.828 Addition of solution in clause 5.2 using separate CCS**

*Type: pCR For: Approval  
 28.828 v1.0.0  
 Source: Ericsson LM*

(Replaces S5-226448)

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

**S5-226502 Rel-18 pCR 28.828 Add the solution for key issue #1c**

*Type: pCR For: Approval  
 28.828 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226708**.

**S5-226708 Rel-18 pCR 28.828 Add the solution for key issue #1c**

*Type: pCR For: Approval  
 28.828 v1.0.0  
 Source: Huawei*

(Replaces S5-226502)

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

**S5-226503 Rel-18 pCR 28.828 Add the solution for accessing the SNPN service via PLMN**

*Type: pCR For: Approval  
 28.828 v1.0.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226709**.

**S5-226709 Rel-18 pCR 28.828 Add the solution for accessing the SNPN service via PLMN**

*Type: pCR For: Approval  
 28.828 v1.0.0  
 Source: Huawei*

(Replaces S5-226503)

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

**S5-226681 Draft TR 28.828 v1.1.0**

*Type: draft TR For: Agreement  
 28.828 v1.1.0  
 Source: China Mobile*

**Discussion:**

SI completion level will be increased from 60% to 75%

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

#### 7.5.5 Study on Time Sensitive Networking charging

REL-18 SI FS\_TSNCH

**S5-226504 Rel-18 pCR 28.839 Update of the Skeleton**

*Type: pCR For: Approval  
 28.839 v0.2.0  
 Source: Huawei*

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

**S5-226505 Rel-18 pCR 28.839 Update of the Terms, Symbols and Abbreviations**

*Type: pCR For: Approval  
 28.839 v0.2.0  
 Source: Huawei*

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

**S5-226506 Rel-18 pCR 28.839 Add the Backgroud of TSN architecture**

*Type: pCR For: Approval  
 28.839 v0.2.0  
 Source: Huawei*

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

**S5-226507 Rel-18 pCR 28.839 Add the Business Roles**

*Type: pCR For: Approval  
 28.839 v0.2.0  
 Source: Huawei*

**Decision:** The document was **revised to S5-226710**.

**S5-226710 Rel-18 pCR 28.839 Add the Business Roles**

*Type: pCR For: Approval  
 28.839 v0.2.0  
 Source: Huawei*

(Replaces S5-226507)

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

**S5-226682 Draft TR 28.839 v0.3.0**

*Type: draft TR For: Agreement  
 28.839 v0.3.0  
 Source: Huawei*

**Discussion:**

SI completion level will be increased from 5% to 10%

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

## 8 Any Other Business

SA5 conducted a Pilot experiment during the SA5#146 meeting. Three pilot change requests (S5-226063, S5-226094, S5-226780) were submitted and reviewed in a simplified format. The changed YANG and YAML code parts were not documented in the pilot-CRs body; only in the 3GPP Forge. The relevant Forge parts with HTTP links were document on the pilot-CRs cover page. At the end of the SA5 meeting the agreed pilot-CRs were revised into the usual CR format for the SA plenary review.

SA5 Chair: anyone a problem if we continue after 16:00 CET

Samsung: max. 16:30 CET; finally ok to take come-backs even when we are gone

email discussions 23.11.-28.11.2022

## 9 Closing of the meeting

SA5 meeting #146 was closed by SA5 Chair Thomas Tovinger (Ericsson) on Fri 18.11.2022 at 17:50.

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S5-226000 | Agenda | WG Chair | approved |  |  |
| S5-226001 | Report from last SA5 meeting | MCC | approved |  |  |
| S5-226002 | Post meeting email approval status | WG Chair | email discussion |  |  |
| S5-226003 | OAM&P action list | WG Vice Chair (Huawei) | noted |  |  |
| S5-226004 | OAM Exec Report | WG Vice Chair (Huawei) | noted |  |  |
| S5-226005 | agenda\_with\_Tdocs\_sequence\_proposal\_OAM | WG Vice Chair (Huawei) | noted |  |  |
| S5-226006 | OAM Chair notes | WG Chair | noted |  |  |
| S5-226007 | CH agenda and time plan | WG Vice Chair (MATRIXX Software) | revised |  | S5-226358 |
| S5-226008 | Charging exec report | WG Vice Chair (MATRIXX Software) | noted |  | - |
| S5-226009 | SA5 working procedures | WG Chair | approved |  |  |
| S5-226010 | Collection of useful endorsed document and external communication documents | WG Vice Chair (Huawei) | noted |  |  |
| S5-226011 | Collection of Rel-18 3GPP SA5 OAM WoP | WG Vice Chair (Huawei) | noted |  |  |
| S5-226012 | Living document for stage 2-3 alignment | WG Chair | email approval |  |  |
| S5-226013 | Process for management of draft TS-TRs | WG Chair | noted |  |  |
| S5-226014 | SA5 meeting calendar | WG Chair | revised |  | S5-226965 |
| S5-226015 | LS on customer acceptance of limited QoS degradation to save energy in the network. | GSMA | replied to |  |  |
| S5-226016 | LS on East/West Bound Interface for Telco Edge consideration | GSMA | noted |  |  |
| S5-226017 | LS on Network federation interface for Telco edge consideration | GSMA | noted |  |  |
| S5-226018 | LS on Network integration interface for Telco edge consideration | GSMA | noted |  |  |
| S5-226019 | Resubmitted LS to 3GPP SA5 on UE to application server latency | GSMA | postponed |  |  |
| S5-226020 | Resubmitted LS on M6 Delay Threshold | R3-224079 | replied to |  |  |
| S5-226021 | LS on introduction of a new attribute “Only Resource Coordination” to support source coordination between LTE and NR SA | R3-225206 | postponed |  |  |
| S5-226022 | Reply LS ccSA5 on the user consent for trace reporting | R3-225250 | noted |  |  |
| S5-226023 | LS on NCR Solutions | R3-225253 | postponed |  |  |
| S5-226024 | Reply LS to Study on KQIs for 5G service experience | S4-221120 | postponed |  |  |
| S5-226025 | Reply LS to SA5 on TS 28.404/TS 28.405 Clarification | S4-221121 | postponed |  |  |
| S5-226026 | Reply LS ccSA5 to OPAG\_34\_Doc\_07\_OPAG\_LS ETSI-3GPP-Network integration | S6-222337 | noted |  |  |
| S5-226027 | Reply LS on “Reply LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation” | S6-222344 | postponed |  |  |
| S5-226028 | Forward on S6-222332, LS on Network federation interface for Telco edge consideration | S6-222543 | replied to |  |  |
| S5-226029 | Reply LS cc SA5 on UE to application server latency | S6-222556 | noted |  |  |
| S5-226030 | Reply LS ccSA5 to Network federation interface for Telco edge consideration | S6-222557 | noted |  |  |
| S5-226031 | Resubmitted LS on Publication of GS ZSM009-2 and information about related ETSI ISG ZSM work | ETSI ISG ZSM | noted |  |  |
| S5-226032 | Resubmitted LS on RAN3 agreements for NR QoE | R3-222890 | postponed |  |  |
| S5-226033 | Resubmitted LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541 | O-RAN | postponed |  |  |
| S5-226034 | Reply LS on beam measurement reports | R3-225273 | noted |  |  |
| S5-226035 | pCR TR28.908 use case and potential solution on AIML modularity | Nokia | revised |  | S5-226937 |
| S5-226036 | pCR TR28.908 use case and potential solution on AIML Update | Nokia | revised |  | S5-226938 |
| S5-226037 | pCR TR28.908 use case and potential solution on Abstraction of AIML performance | Nokia | revised |  | S5-226919 |
| S5-226038 | pCR TR28.908 selection of AIML performance indicators | Nokia | revised |  | S5-226920 |
| S5-226039 | pCR TR28.908 Policy based selection of Performance Indicators | Nokia | revised |  | S5-226921 |
| S5-226040 | pCR TR28.908 Add use case on AIML data trustworthiness | Nokia | revised |  | S5-226929 |
| S5-226041 | pCR TR28.908 Add use case on AIML training trustworthiness | Nokia | revised |  | S5-226934 |
| S5-226042 | pCR TR28.908 Add use case on AIML trustworthiness indicators | Nokia | revised |  | S5-226935 |
| S5-226043 | pCR TR28.908 Potential solution on ML Gradual Activation | Nokia | revised |  | S5-226941 |
| S5-226044 | pCR TR28.908 Potential solution on Mobility of AIML Context | Nokia | revised |  | S5-226984 |
| S5-226045 | pCR TR28.908 Potential solution on Producer Initiated AIML Training | Nokia | revised |  | S5-226985 |
| S5-226046 | pCR TR28.908 Potential solution on improving retraining efficiency | Nokia | revised |  | S5-226945 |
| S5-226047 | pCR TR28.908 Potential solution on event data for ML training | Nokia | revised |  | S5-226986 |
| S5-226048 | pCR TR28.908 Potential solution on Abstract AIML Behavior | Nokia | approved |  |  |
| S5-226049 | pCR TR28.908 Potential solution on Orchestrating AIML inference | Nokia | revised |  | S5-226987 |
| S5-226050 | pCR TR28.908 Evaluations for Solution 5.6 and 5.7 | Nokia | revised |  | S5-226988 |
| S5-226051 | pCR TR 28.912 Intent Fullfillment feedback | Nokia | noted |  | - |
| S5-226052 | pCR TR 28.912 Potential Solution on enablers for Intent Fulfilment | Nokia | revised |  | S5-226907 |
| S5-226053 | pCR TR 28.912 Potential Solution on Intent-driven Closed Loop control | Nokia | revised |  | S5-226908 |
| S5-226054 | pCR TR 28.912 Additions to Conclusion and recommendation | Nokia | withdrawn |  | - |
| S5-226055 | pCR TR 28.912 Additions to Conclusion and recommendation | Nokia | withdrawn | - |  |
| S5-226056 | YANG Corrections in Word TS | Ericsson Hungary Ltd | agreed |  |  |
| S5-226057 | YANG Corrections in Word TS | Ericsson Hungary Ltd | agreed |  |  |
| S5-226058 | YANG Corrections in Word TS | Ericsson Hungary Ltd | agreed |  |  |
| S5-226059 | Rel-18 pCR TR 28.913 Add key issue for Energy Saving compensation procedure | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-226060 | YANG Corrections in Word TS | Ericsson Hungary Ltd | agreed |  |  |
| S5-226061 | Add missing mapping of isNotifyable | Ericsson Hungary Ltd | agreed |  |  |
| S5-226062 | Add missing mapping of isNotifyable | Ericsson Hungary Ltd | agreed |  |  |
| S5-226063 | FIles and File IOCs YANG | Ericsson Hungary Ltd | revised |  | S5-226740 |
| S5-226064 | pCR 28.908 Terminology on Trustworthy AIML | Nokia | revised |  | S5-226928 |
| S5-226065 | pCR 28.908 Use case on ML Transfer Learning | Nokia | revised |  | S5-226939 |
| S5-226066 | pCR TR28.908 Add use case on AIML inference emulation | Nokia | revised |  | S5-226940 |
| S5-226067 | Add missing attribute properties to YANG | Ericsson Hungary Ltd | withdrawn |  |  |
| S5-226068 | Rel-17 CR 28.622 Correcting attribute definitions | Ericsson France S.A.S | revised |  | S5-226796 |
| S5-226069 | Rel-18 CR 28.622 Correcting attribute definitions | Ericsson France S.A.S | agreed |  | - |
| S5-226070 | Rel-17 CR 28.623 Add YANG for ManagementDataCollection | Ericsson France S.A.S | agreed |  |  |
| S5-226071 | Rel-18 CR 28.623 Add YANG for ManagementDataCollection | Ericsson France S.A.S | agreed |  |  |
| S5-226072 | Ls ccSA5 on 5G capabilities exposure for factories of the future – identified gaps | 5G-ACIA | noted |  |  |
| S5-226073 | LS ccSA5 on user consent of Non-public Network | R3-226006 | noted |  |  |
| S5-226074 | LS reply on Reference point allocation to support charging services | S2-2209259 | noted |  |  |
| S5-226075 | LS on reporting dynamic satellite backhaul parameters to CHF | S2-2209607 | replied to |  |  |
| S5-226076 | LS on possibility of providing per UE speed and orientation on FS\_eNA\_Ph3 | S2-2209656 | replied to |  |  |
| S5-226077 | LS on shared EHE and HR PDU session with SBO in V-PLMN | S2-2209884 | postponed |  |  |
| S5-226078 | Reply LS ccSA5 on NCR Solutions | S3-223080 | noted |  |  |
| S5-226079 | Add missing attribute properties to YANG | Ericsson Hungary Ltd | withdrawn |  |  |
| S5-226080 | Add missing attribute properties to YANG | Ericsson Hungary Ltd | withdrawn |  |  |
| S5-226081 | Identification of the Bursts on PDCP SDU Level in CU UP | Nokia Denmark | endorsed |  | - |
| S5-226082 | LS on Autonomous Networks deliverables from ITU FG-AN | ITU-T | noted |  |  |
| S5-226083 | Clarify attributes and IOCs | Ericsson Hungary Ltd | not pursued |  | - |
| S5-226084 | pCR to TR 28.912 Update Issue #4.1: intent driven approach for RAN energy saving to support intent expectation satisfying user service experience | ZTE Wistron Telecom AB | revised |  | S5-226909 |
| S5-226085 | pCR for TR 28.912#4.3 enhancement of radio network intent expectation for user service level assurance | ZTE Wistron Telecom AB | revised |  | S5-226910 |
| S5-226086 | LS ccSA5 on related EAS | S6-223029 | noted |  |  |
| S5-226087 | New measurement “Mean interruption time interval for 5QI 1 QoS Flow released due to double NG (double UE context)”. | Nokia Denmark | revised |  | S5-226842 |
| S5-226088 | Clarify attributes and IOCs | Ericsson Hungary Ltd | not pursued |  | - |
| S5-226089 | CR to TS 28.541 Rel-18 NRM enhancements for AUSFFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226090 | CR to TS 28.541 Rel-18 NRM enhancements for NEFFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-227014 |
| S5-226091 | CR to TS 28.541 Rel-18 NRM enhancements for NSACFFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226092 | TS28.541 Rel-18 NRM enhancements for NWDAFFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-226650 |
| S5-226093 | TS28.541 Rel-18 NRM enhancements for SCPFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-226815 |
| S5-226094 | TS28.541 Rel-18 NRM enhancements for SEPPFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-226651 |
| S5-226095 | TS28.541 Rel-18 NRM enhancements for UDSFFunction | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226096 | TS28.623 Rel-18 NRM enhancements for NFType list | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226097 | TS28.541 Rel-16 Correcting name of nSInstanceId | Nokia, Nokia Shanghai Bell | revised |  | S5-226925 |
| S5-226098 | TS28.541 Rel-17 Correcting name of nSInstanceId | Nokia, Nokia Shanghai Bell | revised |  | S5-226926 |
| S5-226099 | CR to TS 28.541 Rel-18 Correcting name of nSInstanceId | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226100 | CR to TS28.104 Rel-17 MDAReport stage3 OpenAPI schema refactoring | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-226101 | Rel-18 pCR TR 28.831 Add a new key issue for Adding mechanism to advertise supported NRM capabilities by the MnS producer | Nokia, Nokia Shanghai Bell | noted |  | - |
| S5-226102 | Rel-18 pCR TR 28.831 Add potential requirements for KI to Add mechanism to advertise supported NRM capabilities by the MnS producer | Nokia, Nokia Shanghai Bell | noted |  | - |
| S5-226103 | Rel-18 pCR TR 28.831 Add a potential solution for KI to Add mechanism to advertise supported NRM capabilities by the MnS producer | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-226104 | Rel-17 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | revised |  | S5-226785 |
| S5-226105 | Rel-18 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | revised |  | S5-226786 |
| S5-226106 | Rel-18 CR TS 28.541 Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-226107 | Rel-18 CR TS 28.530 Add network slice isolation use case and requirements | Nokia, Nokia Shanghai Bell | revised |  | S5-226567 |
| S5-226108 | Rel-18 CR TS28.541 Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell | revised |  | S5-226557 |
| S5-226109 | Rel-18 CR TS28.531 Procedures to support asynchronous Network Slice LCM operations | Nokia, Nokia Shanghai Bell | revised |  | S5-226560 |
| S5-226110 | Rel-18 CR TS28.622 Add abstract IOC Controller\_ to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | not pursued |  | - |
| S5-226111 | Rel-16 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | revised |  | S5-226787 |
| S5-226112 | Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | revised |  | S5-226788 |
| S5-226113 | Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | revised |  | S5-226789 |
| S5-226114 | Rel-16 CR TS 28.541 Correction to GSMA NG 116 reference for KPIMonitoring | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226115 | Rel-17 CR TS 28.541 Correction to GSMA NG 116 reference for KPIMonitoring | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226116 | Rel-18 CR TS 28.541 Correction to GSMA NG 116 reference for KPIMonitoring | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226117 | Rel-16 CR TS 28.541 Correction to ServiceProfile attribute v2XCommModels name in YAML defintion | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226118 | Rel-17 CR TS 28.541 Correction to ServiceProfile attribute v2XCommModels name in YAML defintion | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226119 | Rel-18 CR TS 28.541 Correction to ServiceProfile attribute v2XCommModels name in YAML defintion | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226120 | Rel-16 CR TS 28.541 Correction to inconsistencies in GNBCUCPFunction definition | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226121 | Rel-17 CR TS 28.541 Correction to inconsistencies in GNBCUCPFunction definition | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226122 | Rel-18 CR TS 28.541 Correction to inconsistencies in GNBCUCPFunction definition | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226123 | Rel-16 TS 32.155 Correction of scope | Ericsson-LG Co., LTD | agreed |  |  |
| S5-226124 | Rel-17 TS 32.155 Correction of scope | Ericsson-LG Co., LTD | agreed |  |  |
| S5-226125 | Rel-15 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | revised |  | S5-226746 |
| S5-226126 | Rel-16 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | revised |  | S5-226747 |
| S5-226127 | Rel-17 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | revised |  | S5-226748 |
| S5-226128 | Rel-18 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | revised |  | S5-226749 |
| S5-226129 | Rel-15 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | revised |  | S5-226750 |
| S5-226130 | Rel-16 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | revised |  | S5-226751 |
| S5-226131 | Rel-17 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | revised |  | S5-226752 |
| S5-226132 | Rel-18 CR TS 28.623 Add stage 3 for abstract IOC Controller\_ | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-226133 | Rel-18 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | revised |  | S5-226753 |
| S5-226134 | New SID CHF Segmentation | Nokia, Nokia Shanghai Bell | revised |  | S5-226687 |
| S5-226135 | New WID on CHF Distributed Availability | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-226136 | Rel-18 pCR TR 28.826 Adding new use case for IoT Devices | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-226137 | Rel-17 TS 32.240 Editor's Notes Removal | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-226138 | Rel-18 TS 32.240 Editor's Notes Removal | Nokia, Nokia Shanghai Bell | revised |  | S5-226711 |
| S5-226139 | Rel-18 CR 32.291 Handling of Retry Correction | Nokia, Nokia Shanghai Bell | revised |  | S5-226712 |
| S5-226140 | Rel-18 CR 32.291 SIP Request/Answer with different Timestamps | Nokia, Nokia Shanghai Bell | revised |  | S5-226713 |
| S5-226141 | Rel-18 CR 32.298 gNbValue datatype size correction | Nokia, Nokia Shanghai Bell | revised |  | S5-226714 |
| S5-226142 | Using Forge for SA5 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-226143 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | not pursued |  | - |
| S5-226144 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | revised |  | S5-226755 |
| S5-226145 | TS28.312 Rel-17 Correction to Context and Expectation Object definitions | Nokia, Nokia Shanghai Bell | revised |  | S5-226772 |
| S5-226146 | TS 28.312 Rel-17 Correction to Stage 3 and Stage 2 definitions for Intent Driven Management | Nokia, Nokia Shanghai Bell | revised |  | S5-226773 |
| S5-226147 | TS28.312 Rel17 Addition of notification clauses, correction of mis-numbered clauses and addition of common notifications | Nokia, Nokia Shanghai Bell | revised |  | S5-226774 |
| S5-226148 | pCR 28.908 Tradeoff between AIML performance and trustworthiness | Nokia Denmark | withdrawn |  |  |
| S5-226149 | pCR TR28.908 Usecase on Policy based Activation | Nokia Denmark | revised |  | S5-226943 |
| S5-226150 | pCR 28.908 Add use case on AIML inference trustworthiness | Nokia Denmark | revised |  | S5-226936 |
| S5-226151 | pCR TR28.864 Potential Solution on NWDAF Analytics-related Timing | Nokia Belgium | revised |  | S5-226834 |
| S5-226152 | Rel-17 CR 28.312 Add clarification for ambiguous relation description between classic MnS and intent MnS | Huawei, Deutsche Telekom | agreed |  |  |
| S5-226153 | Rel-17 CR TS 28.312 Update Enum value to use upper case characters to align with TS 32.156 (Stage2 and Stage3) | Huawei | agreed |  |  |
| S5-226154 | Rel-17 CR TS 28.312 Correct the procedure for create an intent and modify an intent | Huawei, Deutsche Telekom | agreed |  |  |
| S5-226155 | Rel-17 CR TS 28.312 Add missing generic requirements for intent driven MnS | Huawei, Deutsche Telekom | agreed |  |  |
| S5-226156 | Rel-17 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob | Huawei | revised |  | S5-227057 |
| S5-226157 | Rel-18 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob | Huawei | revised |  | S5-227058 |
| S5-226158 | Rel-17 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2) | Huawei | revised |  | S5-226652 |
| S5-226159 | Rel-17 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3) | Huawei | revised |  | S5-226798 |
| S5-226160 | Rel-18 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2) | Huawei | revised |  | S5-226799 |
| S5-226161 | Rel-18 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3) | Huawei | revised |  | S5-226800 |
| S5-226162 | Rel-17 CR TS 28.541 Correct the definition for cellLocalId to support MOCN network sharing sceanrio | Huawei | agreed |  |  |
| S5-226163 | Rel-18 CR TS 28.541 Correct the definition for cellLocalId to support MOCN network sharing sceanrio | Huawei | agreed |  |  |
| S5-226164 | Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose | Huawei | revised |  | S5-226653 |
| S5-226165 | pCR TR 28.912 Rapporteur clean up | Huawei | approved |  |  |
| S5-226166 | pCR TS 28.912 Update Issues related to collaboration and alignment with other SDOs | Huawei, Deutsche Telekom | revised |  | S5-226995 |
| S5-226167 | pCR TS 28.912 Add conclusion and recommendation for existing key issue | Huawei, Deutsche Telekom | approved |  |  |
| S5-226168 | pCR TR 28.912 Update the description of Issue#4.2 intent report | Huawei, Deutsche Telekom,China Mobile | revised |  | S5-226901 |
| S5-226169 | Deprecating model elements | Ericsson Hungary Ltd | revised |  | S5-226806 |
| S5-226170 | Rel-18 New WID Enhancement of Management of Trace/MDT phase 2 | Nokia, Nokia Shanghai Bell | revised |  | S5-226733 |
| S5-226171 | pCR TR 28.837 Conclusion on the Alignment of Report Amount Parameter | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-226172 | pCR TR 28.837 New Key Issue on reporting per DRB per UE MDT measurements | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-226173 | pCR TR 28.837 Potential Solution for reporting of collected Management Data | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-226174 | Rel-16 CR 32.423 Fixing the representation of the payload size in the figure for trace payload | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226175 | Rel-17 CR TS 28.104 Adding Stage 2 definitions of missing attributes | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226176 | Rel-17 CR TS 28.104 Changing recommendation attributes of time from type DateTime to TimeWindow | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226177 | Rel-17 CR TS 28.104 Adding appropriate reference to GeoArea from NRM definition - Stage 2 and Stage 3 | Nokia, Nokia Shanghai Bell | agreed |  | - |
| S5-226178 | Rel-17 CR TS 28.104 Correcting the attribute properties for MDA request and response IOCs | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226179 | Rel-17 CR TS 28.104 Removal of repeated content | Nokia, Nokia Shanghai Bell | merged |  |  |
| S5-226180 | Rel-17 CR TS 28.313 Fixing incorrect references to IOCs of 28.541 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226181 | Rel-17 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | revised |  | S5-226776 |
| S5-226182 | Rel-17 CR TS 28.623 Adding a new data type to represent GeoArea via convex polygon - Stage 3 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226183 | Rel-17 CR 32.423 Fixing the representation of the payload size in the figure for trace payload | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226184 | Rel-18 CR TS 28.104 Usecase and requirements for prediction and statistics of Management data | Nokia, Nokia Shanghai Bell | revised |  | S5-226737 |
| S5-226185 | Rel-18 CR TS 28.552 Renaming MRO counters from Intra/Inter System to Intra/Inter RAT | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-226186 | Rel-18 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | revised |  | S5-226831 |
| S5-226187 | Rel-18 CR TS 28.622 CR Stage 2 definition of Prediction and Statistics of Management data | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-226188 | Rel-18 CR TS 28.623 Adding a new data type to represent GeoArea via convex polygon - Stage 3 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226189 | Rel-18 CR TS 28.623 Stage 3 YAML changes for StatisticsJob and PredictionJobs IOC | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-226190 | Rel-18 CR TS 28.658 Enhancing EUtranRelation with NR cell as source cell | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226191 | LS on handover failures related to MRO for inter-system mobility (to: RAN3; cc: RAN2' contact: Nokia) | Nokia, Nokia Shanghai Bell | revised |  | S5-226732 |
| S5-226192 | Deprecating model elements | Ericsson Hungary Ltd | agreed |  |  |
| S5-226193 | Rel-17 CR TS 28.104 Correct interchanging use of MDAS and MDA MnS | Ericsson-LG Co., LTD | not pursued |  |  |
| S5-226194 | Rel-17 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | revised |  | S5-226741 |
| S5-226195 | Rel-18 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | revised |  | S5-226742 |
| S5-226196 | Rel-17 CR 32.291 Add SMF Charging Id in Offline Charging | Amdocs | revised |  | S5-226716 |
| S5-226197 | Rel-16 CR 32.291 Correcting SMSF as Node Functionality | Amdocs | agreed |  |  |
| S5-226198 | Rel-17 CR 32.291 Correcting SMSF as Node Functionality | Amdocs | revised |  | S5-226717 |
| S5-226199 | Rel-17 CR 32.240 Add the missing reference point for EES charging | Intel, MATRIXX Software | agreed |  |  |
| S5-226200 | Rel-18 CR 32.240 Add the missing reference point for EES charging | Intel, MATRIXX Software | agreed |  |  |
| S5-226201 | Rel-17 CR 32.257 Add the missing reference point for EES charging | Intel, MATRIXX Software | agreed |  |  |
| S5-226202 | Rel-16 CR TS 32.156 Correct the wrong example for Generalization relationship notation | Huawei | agreed |  |  |
| S5-226203 | Rel-17 CR TS 32.156 Correct the wrong example for Generalization relationship notation | Huawei | agreed |  |  |
| S5-226204 | Rel-17 CR TS28.541 Correct the misalignment information between stage2 and stage3 | Huawei | agreed |  |  |
| S5-226205 | Rel-18 CR TS28.541 Correct the misalignment information between stage2 and stage3 | Huawei | agreed |  |  |
| S5-226206 | pCR TR 28.836 Add solution for expressing service and slice profile requirements as intent expectations | Huawei, Deutsche Telekom | noted |  | - |
| S5-226207 | pCR 28.865 Add solution of service deployment | Huawei | revised |  | S5-227017 |
| S5-226208 | pCR 28.865 Add solultion of service requirement modeling | Huawei | revised |  | S5-227018 |
| S5-226209 | pCR 28.865 Add solultion of network preparation | Huawei | revised |  | S5-227019 |
| S5-226210 | pCR 28.865 Add solution of service and network analysis | Huawei | revised |  | S5-227020 |
| S5-226211 | pCR 28.865 Update solution of service assurance for video monitoring | Huawei | revised |  | S5-227021 |
| S5-226212 | pCR 28.865 Update solution of service assurance for PLC control | Huawei | revised |  | S5-227022 |
| S5-226213 | pCR TR 28.910 Add key issues for management of ANL | Huawei, China Mobile | noted |  | - |
| S5-226214 | Rel-18 pCR 28.830 on concepts in FSEV study | Huawei, China Mobile | revised |  | S5-226946 |
| S5-226215 | DP on management capabilities in FSEV study | Huawei, China Mobile | revised |  | S5-226992 |
| S5-226216 | pCR 28.830 Add framework of FSEV | Huawei, China Mobile | revised |  | S5-226993 |
| S5-226217 | pCR 28.830 Add interface description | Huawei, China Mobile | revised |  | S5-226994 |
| S5-226218 | pCR TR 28.910 Add key issues for enhancement of ANL for RAN UE throughput optimization | Huawei,China Mobile | revised | S5-225313 | S5-226900 |
| S5-226219 | pCR TR 28.912 intents for slice-based cell reselection | Nokia Belgium | withdrawn |  |  |
| S5-226220 | Rel-16 CR 32.291 Correcting Node Functionality in Offline Charging | Amdocs | withdrawn |  |  |
| S5-226221 | Rel-17 CR 32.291 Case Mismatch for Management Operation | Amdocs | revised |  | S5-226719 |
| S5-226222 | CR Rel-17 28.104 Add the missing data type definition for threshold | Intel, NEC | agreed |  |  |
| S5-226223 | CR Rel-17 28.104 Correction of definition for analytics window | Intel, NEC | revised |  | S5-226771 |
| S5-226224 | pCR 28.838 add concept | Intel Korea, Ltd. | revised |  | S5-226960 |
| S5-226225 | pCR 28.838 add use case of mobility optimization | Intel Korea, Ltd. | revised |  | S5-226957 |
| S5-226226 | pCR 28.838 add the use case of network energy saving | Intel Korea, Ltd. | revised |  | S5-226958 |
| S5-226227 | pCR 28.838 add solutions | Intel Korea, Ltd. | revised |  | S5-226961 |
| S5-226228 | pCR 28.838 add conclusions and recommendations | Intel Korea, Ltd. | revised |  | S5-226962 |
| S5-226229 | Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC | Intel Korea, Ltd. | not pursued |  |  |
| S5-226230 | Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC | Intel Korea, Ltd. | not pursued |  |  |
| S5-226231 | Rel-18 CR 28.538 Add editorial changes | Intel Korea, Ltd. | revised |  | S5-226915 |
| S5-226232 | Rel-18 CR 28.552 Add EEC registration related measurements | Intel Korea, Ltd. | revised |  | S5-226813 |
| S5-226233 | Rel-18 CR 28.552 Add EEC request rate measurements | Intel Korea, Ltd. | withdrawn |  |  |
| S5-226234 | Rel-18 CR 28.538 Add EEC request rate measurements | Intel Korea, Ltd. | revised |  | S5-226893 |
| S5-226235 | New WID on Enhancements of Self-Organizing Networks (SON) for 5G networks | Intel Korea, Ltd. | revised |  | S5-226734 |
| S5-226236 | pCR TR 28.925 rapporteur reorganizing modification for section 5 | HuaWei Technologies Co., Ltd | approved |  |  |
| S5-226237 | Rel-17 CR 32.156 Clarify definitions of attribute properties | Nokia, Nokia Shanghai Bell | revised |  | S5-226744 |
| S5-226238 | Rel-16 CR 32.158 Clarify usage of information models | Nokia, Nokia Shanghai Bell | revised |  | S5-226756 |
| S5-226239 | Rel-17 CR 32.158 Clarify usage of information models | Nokia, Nokia Shanghai Bell | revised |  | S5-226757 |
| S5-226240 | Rel-16 CR 32.158 Clarify format of target URIs | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226241 | Rel-17 CR 32.158 Clarify format of target URIs | Nokia, Nokia Shanghai Bell | revised |  | S5-226758 |
| S5-226242 | Rel-16 CR 32.158 Clarify media type related aspects | Nokia, Nokia Shanghai Bell | revised |  | S5-226759 |
| S5-226243 | Rel-17 CR 32.158 Clarify media type related aspects | Nokia, Nokia Shanghai Bell | revised |  | S5-226760 |
| S5-226244 | Rel-16 CR 32.158 Clarify some aspects of basic design patterns | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226245 | Rel-17 CR 32.158 Clarify some aspects of basic design patterns | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226246 | Rel-16 CR 32.158 Clarify construction rules for GET response message body formats | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226247 | Rel-17 CR 32.158 Clarify construction rules for GET response message body formats | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226248 | Rel-16 CR 32.158 Clarify design patterns for patching resources | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226249 | Rel-17 CR 32.158 Clarify design patterns for patching resources | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226250 | Rel-16 CR 32.158 Correct and clarify examples in Annex A | Nokia, Nokia Shanghai Bell | revised |  | S5-226761 |
| S5-226251 | Rel-17 CR 32.158 Correct and clarify examples in Annex A | Nokia, Nokia Shanghai Bell | revised |  | S5-226762 |
| S5-226252 | Rel-17 CR 28.622 Correct inheritance diagram of the file download NRM fragment | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226253 | Rel-18 CR 28.622 Correct inheritance diagram of the file download NRM fragment | Nokia, Nokia Shanghai Bell | revised |  | S5-226735 |
| S5-226254 | Rel-16 CR 28.532 Correct OpenAPI definition of HTTP DELETE | Nokia, Nokia Shanghai Bell | revised |  | S5-226763 |
| S5-226255 | Rel-17 CR 28.532 Correct OpenAPI definition of HTTP DELETE | Nokia, Nokia Shanghai Bell | revised |  | S5-226764 |
| S5-226256 | Rel-16 CR 28.532 Correct type of “observedValue” attribute | Nokia, Nokia Shanghai Bell | revised |  | S5-226765 |
| S5-226257 | Rel-17 CR 28.532 Correct type of “observedValue” attribute | Nokia, Nokia Shanghai Bell | revised |  | S5-226766 |
| S5-226258 | Rel-16 CR 28.532 Correct definition of the HTTP GET response | Nokia, Nokia Shanghai Bell | revised |  | S5-226767 |
| S5-226259 | Rel-17 CR 28.532 Correct definition of the HTTP GET response | Nokia, Nokia Shanghai Bell | revised |  | S5-226768 |
| S5-226260 | Rel-16 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | revised |  | S5-226769 |
| S5-226261 | Rel-17 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | revised |  | S5-226770 |
| S5-226262 | Rel-16 CR 28.532 Remove duplicated message flows (REST SS of ProvMnS) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226263 | Rel-17 CR 28.532 Remove duplicated message flows (REST SS of ProvMnS) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226264 | Rel-16 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | revised |  | S5-226825 |
| S5-226265 | Rel-17 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | revised |  | S5-226826 |
| S5-226266 | Rel-17 CR 28.532 Add missing “insert” attribute to the data type “MoiChange” | Nokia, Nokia Shanghai Bell | revised |  | S5-226824 |
| S5-226267 | Rel-17 CR 28.532 Clarify allowed values for “href” parameter in “notifyMOIChanges” (NETCONF/YANG) | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226268 | pCR 28.907 Potential solution for exposure of management capabilities and corresponding managed resources | Huawei | revised |  | S5-227000 |
| S5-226269 | pCR 28.907 Resolve Editor’s note in clause 5.1.2.1.2 | Huawei | revised |  | S5-227001 |
| S5-226270 | pCR 28.907 Resolve Editor's note in clause 5.4.1 | Huawei | revised |  | S5-227002 |
| S5-226271 | pCR 28.907 Conclusion for E2E fault management | Huawei | revised |  | S5-227003 |
| S5-226272 | pCR 28.907 Conclusion for resource isolation demand for smart grid utilities | Huawei | revised |  | S5-227004 |
| S5-226273 | pCR 28.907 Resolve Editor's note in clause 5.2.2.1.2 | Huawei | revised |  | S5-227005 |
| S5-226274 | pCR 28.824 Concepts of filtering and combination in exposure governance | Huawei, Deutsche Telekom | revised |  | S5-227025 |
| S5-226275 | pCR 28.824 Merge the definition of Exposed Management Services in 4.1.1.1 and Exposed MnS in 4.1.2.1 | Huawei | revised |  | S5-227031 |
| S5-226276 | pCR 28.824 Merge the use cases related to exposed MnS discovery | Huawei | revised |  | S5-227033 |
| S5-226277 | pCR 28.824 Merge the use cases related to network slice management capability exposure | Huawei | revised |  | S5-227034 |
| S5-226278 | pCR 28.824 Update the description of exposure scenarios in clause 4.1.1 | Huawei | revised |  | S5-227035 |
| S5-226279 | Rel-18 DP on Introduction of Stage 2 Common Data Type Definitions | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-226280 | R16 CR 28623-gc1 Correcting traceRecordingSessionReference property. Aligning with 32.422 and 28.622. | Ericsson | not pursued |  |  |
| S5-226281 | pCR TR 28.909 Add key issues for KEI of autonomous network levels evaluation for radio network optimization | Huawei,China Mobile | not pursued | S5-225316 |  |
| S5-226282 | R17 CR 28623-h31 Correcting traceRecordingSessionReference property. Aligning with 32.422 and 28.622. | Ericsson | not pursued |  |  |
| S5-226283 | Rel-18 Draft Skeleton for TS on Common data type definitions | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-226284 | Rel-18 pCR 28.xxx Add introduction to TS on Common data type definitions | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-226285 | Rel-16 CR TS 28.622 Removing reference to non-existing clause in 32.422 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226286 | Rel-17 CR TS 28.622 Removing reference to non-existing clause in 32.422 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226287 | Rel-18 CR TS 28.622 Removing reference to non-existing clause in 32.422 | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226288 | R18 CR 28623-i02 Correcting traceRecordingSessionReference property. Aligning with 32.422 and 28.622. | Ericsson | not pursued |  |  |
| S5-226289 | pCR TR 28.912 Update issue for Intent conflicts potential solution | Huawei | revised |  | S5-226904 |
| S5-226290 | Rel-18 pCR 28.xxx Add some common data type definitions | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-226291 | Revised WID on Additional NRM features phase 2 | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-226292 | Rel-18 pCR TR 28.913 Add conclusion for the key issue Energy Saving compensation procedure | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-226293 | Rel-18 CR TS 28.310 Add Energy Saving compensation procedure | Nokia, Nokia Shanghai Bell | revised |  | S5-226783 |
| S5-226294 | pCR 28.824 Update Solution for network slice management capability exposure via CAPIF | Alibaba Group | revised |  | S5-227036 |
| S5-226295 | pCR 28.824 Concepts of filtering in exposure governance | Alibaba Group | revised |  | S5-227030 |
| S5-226296 | pCR TR 28.910 Add key issue for enhancement of ANL for fault management | China Mobile, Huawei | revised | S5-225309 | S5-226913 |
| S5-226297 | pCR TR 28.909 Add general process and evaluation objects for evaluating the autonomous network level | China Mobile, Huawei | revised | S5-225310 | S5-226914 |
| S5-226298 | pCR TR 28.863 Issue #1 Concept of KQI | Huawei | revised |  | S5-227010 |
| S5-226299 | pCR TR 28.863 Issue#1 Difference of KPI, KQI and QoE | Huawei | revised |  | S5-227012 |
| S5-226300 | pCR TR 28.863 Issue#1 KQI and management | Huawei | revised |  | S5-227013 |
| S5-226301 | pCR TR 28.863 Issue #3 Video uploading description | Huawei | noted |  | - |
| S5-226302 | pCR TR 28.863 Issue#4 Remote control description | Huawei | noted |  | - |
| S5-226303 | Rel-15 CR TS 28.531 Correct vocabulary | Huawei | revised |  | S5-226930 |
| S5-226304 | YANG Corrections | Ericsson Hungary Ltd | agreed |  |  |
| S5-226305 | Rel-16 CR TS 28.531 Correct vocabulary | Huawei | revised |  | S5-226931 |
| S5-226306 | Rel-17 CR TS 28.531 Correct vocabulary | Huawei | revised |  | S5-226932 |
| S5-226307 | Rel-18 CR TS 28.531 Correct vocabulary | Huawei | revised |  | S5-226933 |
| S5-226308 | Rel-17 CR 28.104 Remove S-NSSAI from example of analytics output | Huawei | agreed |  |  |
| S5-226309 | DP on the use of statistics and prediction for existing KPIs | Huawei | noted |  |  |
| S5-226310 | Rel-18 CR 28.104 Add MDA capability for prediction of performance KPIs | Huawei | not pursued |  |  |
| S5-226311 | Rel-18 CR 28.554 Add a set of analytics KPIs | Huawei | not pursued |  | - |
| S5-226312 | Rel-18 InputToDraftCR 28.538 adding attributes in EASRequirements | Huawei | approved |  |  |
| S5-226313 | pCR TR 28.912\_new\_capability\_for\_enabler\_of\_MDAS(WoP#2) | Huawei | revised |  | S5-226911 |
| S5-226314 | pCR 28.834 Allocation of functionality | Huawei | revised |  | S5-226981 |
| S5-226315 | pCR 28.834 Add issues for use case 1 | Huawei | revised |  | S5-226976 |
| S5-226316 | pCR 28.834 Add issues for use case 2 | Huawei | revised |  | S5-226977 |
| S5-226317 | pCR 28.834 Update VNF package update use case | Huawei | revised |  | S5-226978 |
| S5-226318 | pCR 28.834 Adding missing reference | Huawei | approved |  |  |
| S5-226319 | pCR 28.834 Add potential solution for NF creation as cloud native VNF | Huawei | revised |  | S5-226982 |
| S5-226320 | pCR 28.834 Update scaling use case | Huawei | revised |  | S5-226979 |
| S5-226321 | pCR 28.824 Add cons for alternative 1 | Huawei | approved |  |  |
| S5-226322 | Rel-18 CR TS 28.554 Add EC KPI based on vDisk usage | Huawei, Deutsche Telekom | not pursued |  | - |
| S5-226323 | Rel-17 CR 32.298 Add IMS Node in CHF CDRs | Amdocs | agreed |  |  |
| S5-226324 | Rel-17 CR 32.291 Add Missing Consumers in Converged Charging | Amdocs | revised |  | S5-226720 |
| S5-226325 | pCR TR 28.824 Add Reference Architecture | Huawei, Deutsche Telekom | approved |  |  |
| S5-226326 | pCR 28.908 Addressing wording issues | TELEFONICA S.A. | revised |  | S5-226916 |
| S5-226327 | pCR TR 28.824 Handling of customer’s requirement for network slice management capabilities exposure | Huawei | revised |  | S5-227037 |
| S5-226328 | Rel-16 CR 32.291 Add Missing Result Code | Amdocs | not pursued |  |  |
| S5-226329 | Rel-15 CR 32.291 Add Missing Result Code | Amdocs | not pursued |  |  |
| S5-226330 | Rel-17 CR 32.291 Add Missing Result Code | Amdocs | revised |  | S5-226721 |
| S5-226331 | Rel-16 CR 32.291 Correction of Trigger Types in Offline Charging | Amdocs | agreed |  |  |
| S5-226332 | Rel-17 CR 32.291 Correction of Trigger Types in Offline Charging | Amdocs | revised |  | S5-226722 |
| S5-226333 | pCR 28.913 Add new Issue on digital sobriety | Huawei, Deutsche Telekom, China Unicom | approved |  |  |
| S5-226334 | pCR 28.809 Clarifying simultaneous and separate execution of training and inference phases | TELEFONICA S.A. | withdrawn |  |  |
| S5-226335 | Rel-16 CR 32.291 Case Mismatch for Management Operation | Amdocs | revised |  | S5-226718 |
| S5-226336 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2) | Ericsson Inc. | revised | S5-225120 | S5-226654 |
| S5-226337 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG) | Ericsson Inc. | revised | S5-225121 | S5-226655 |
| S5-226338 | Rel-16 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | revised |  | S5-227079 |
| S5-226339 | Rel-17 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | revised |  | S5-227080 |
| S5-226340 | Rel-18 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | revised |  | S5-227081 |
| S5-226341 | Presentation of TR 28.838 for SA information | Intel Korea, Ltd. | revised |  | S5-227084 |
| S5-226342 | Rel-17 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | revised |  | S5-226801 |
| S5-226343 | Rel-18 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | revised |  | S5-226802 |
| S5-226344 | Rel-17 Remove unused create link subscription attribute definition. | Ericsson Inc. | not pursued |  |  |
| S5-226345 | Rel-18 Remove unused create link subscription attribute definition. | Ericsson Inc. | not pursued |  |  |
| S5-226346 | pCR TR 28.912 Add Intent Reporting requirements | Ericsson Inc. | revised |  | S5-226902 |
| S5-226347 | Rel-18 Correct PerfMetricJob definition text | Ericsson Inc. | not pursued |  |  |
| S5-226348 | pCR TR 28.912 Add Intent Reporting Solutions | Ericsson Inc. | revised |  | S5-226903 |
| S5-226349 | Rel-18 pCR 32.847 Solve Editors Notes on evaluation for KI#1 | MATRIXX Software | revised |  | S5-226693 |
| S5-226350 | Rel-17 CR 28.104 Clarification of energy saving analysis use case | Intel Korea, Ltd. | revised |  | S5-226777 |
| S5-226351 | pCR TR28.835 Add Issue For Operation Specific 5QI | Ericsson Inc. | revised |  | S5-226989 |
| S5-226352 | Rel-17 CR 28.552 Add the virtualized NE energy consumption measurement | Intel Korea, Ltd. | revised |  | S5-226778 |
| S5-226353 | Rel-18 pCR 32.847 Clarify solution #1.6 description | MATRIXX Software | revised |  | S5-226848 |
| S5-226354 | Rel-18 pCR 32.847 Add conclusion for Key issue#1 | MATRIXX Software | revised |  | S5-226849 |
| S5-226355 | Rel-18 pCR 32.847 Correction on evaluation for KI#2 | MATRIXX Software | revised |  | S5-226850 |
| S5-226356 | Rel-18 pCR 32.847 Add conclusion for Key issue#2 | MATRIXX Software | revised |  | S5-226851 |
| S5-226357 | New WID on NSACF Charging in 5G System | MATRIXX Software | revised |  | S5-226688 |
| S5-226358 | CH agenda and time plan | SA5 Charging chair | noted | S5-226007 |  |
| S5-226359 | Rel-17 CR for TS32.130 delete redundant figure | ZXNE | agreed |  |  |
| S5-226360 | Rel-17 CR for TS28.540 editorialCorrections | ZXNE | agreed |  |  |
| S5-226361 | Discussion Paper on QoS enhancement in NRM | Nokia, Nokia Shanghai Bell | noted |  | S5-226818 |
| S5-226362 | pCR 28.317 Add Concept for RANSC | China Mobile, Huawei | revised |  | S5-226807 |
| S5-226363 | pCR 28.317 Use case and requirement for RANSC data handling | China Mobile, Huawei | revised |  | S5-226810 |
| S5-226364 | pCR 28.317 Usecase and requirement for Self-configuration control and monitor | China Mobile, Huawei | revised |  | S5-226811 |
| S5-226365 | pCR 28.834 Add Use Case on performance management of the cloud-native VNF using generic OAM functions | AsiaInfo Technologies Inc | revised |  | S5-226980 |
| S5-226366 | Reply LS to R3-224079 = S5-226020 on M6 Delay Threshold (to: RAN3; cc: RAN2; contact: Huawei) | Huawei | merged |  |  |
| S5-226367 | Rel-17 CR TS 32.422 add excess packet delay threshold for signalling-based and management-based MDT | Huawei | revised |  | S5-226803 |
| S5-226368 | Rel-17 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT | Huawei | revised |  | S5-226804 |
| S5-226369 | Rel-17 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT | Huawei | revised |  | S5-226805 |
| S5-226370 | Rel-18 CR TS 28.104 Update MDA assisted energy saving | Huawei | revised |  | S5-226779 |
| S5-226371 | Rel-18 pCR TR 28.908 Correct the illustration of Event data for ML training | Huawei, Nokia | approved |  |  |
| S5-226372 | Rel-18 pCR TR 28.908 Correct the illustration of AIML inference history request and control | Huawei, Nokia | approved |  |  |
| S5-226373 | Rel-18 pCR TR 28.908 Correct the illustration of AIML entity testing and control | Huawei, Nokia | approved |  |  |
| S5-226374 | Rel-18 pCR TR 28.908 AIML configuration management solution | Huawei | merged |  | S5-226942 |
| S5-226375 | Rel-18 pCR TR 28.908 Update use case on AIML model performance indicators | Huawei | merged |  | - |
| S5-226376 | Rel-18 pCR TR 28.908 Add use case on AIML model performance management | Huawei | merged |  | S5-226924 |
| S5-226377 | Rel-18&Rel-19 time plan proposal for OAM | SA5 Vice chair (Huawei),SA5 Chair | noted | S5-221173 |  |
| S5-226378 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions | ZXNE | revised |  | S5-227023 |
| S5-226379 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested legacy handover executions | ZXNE | revised |  | S5-227024 |
| S5-226380 | Revised WID for Additional NRM features phase 2 | Huawei | not pursued | S5-225194 |  |
| S5-226381 | DP on structure proposal for new generic NRM specification | Huawei | revised | S5-225195 | S5-226996 |
| S5-226382 | TS28.541 Rel-18 NRM enhancements for Tai | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-226383 | Rel-18 CR TS 28.623 Add stage 3 for data type AvailabilityStatus | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-226384 | pCR for TR28.908 Potential Solution on coordination of capabilities | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-226385 | pCR TR28.908 Add use case on measurement data for ML training | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-226386 | Rel-18 CR 28.531 Fixing provisioning data reporting service | Samsung R&D Institute India | revised |  | S5-226657 |
| S5-226387 | DP on GSMA NBI Requirements | Samsung R&D Institute India | revised |  | S5-226814 |
| S5-226388 | Rel-18 InputToDraftCR 28.538 NBI support | Samsung R&D Institute India | revised |  | S5-226816 |
| S5-226389 | pCR TR 28.863 Key Issue #5 KQIs for Cloud VR- the solution of KQIs for cloud VR | AsiaInfo,Huawei | noted |  |  |
| S5-226390 | pCR TR 28.863 Key Issue # 5: KQIs for cloud VR- use case of the Cloud VR | AsiaInfo,Huawei | noted |  |  |
| S5-226391 | pCR TR 28.863 Key Issue # 5: KQIs for cloud VR- the background survey of the Cloud VR | AsiaInfo,Huawei | noted |  |  |
| S5-226392 | pCR 28.841 add use cases for IoT network of satellite components | China Unicom | approved |  |  |
| S5-226393 | pCR 28.841 add potential requirements of satellite components | China Unicom | approved |  |  |
| S5-226394 | pCR 28.841 add potential solutions for IoT networks of satellite components | China Unicom | approved |  |  |
| S5-226395 | pCR 28.841 add Annex of characteristics of satellite systems | China Unicom | approved |  |  |
| S5-226396 | pCR TR 28.912 update potential solution for 5GC fault management | AsiaInfo Technologies Inc | revised |  | S5-226912 |
| S5-226397 | pCR 28.841 add Annex of Reference architecture with satellite enabled RAN | China Unicom | approved |  |  |
| S5-226398 | pCR TR 28.912 solution on intent fulfillment feasibility check | AsiaInfo Technologies Inc | approved |  |  |
| S5-226399 | Discussion for a new SID on management aspects of Digital Twin Network | CMDI | revised |  | S5-226736 |
| S5-226400 | pCR TR 28.833 Update potential solutions and evaluations for Topic 1 and Topic 2 of FS\_5GLAN\_Mgt | CMDI | withdrawn |  |  |
| S5-226401 | pCR TR 28.833 Update potential solutions and evaluations for Topic 3 of FS\_5GLAN\_Mgt | CMDI, Huawei | withdrawn |  |  |
| S5-226402 | Revised WID for Access control for management service | Nokia, Nokia Shanghai Bell | revised |  | S5-226839 |
| S5-226403 | pCR TR 28.833 Add potential solutions and evaluations for 5G VN group communicaition KPIs of FS\_5GLAN\_Mgt | CMDI, Huawei | approved |  |  |
| S5-226404 | TS28.541 Rel-17 replacing Support Qualifier with S | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226405 | TS28.541 Rel-18 replacing Support Qualifier with S | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S5-226406 | Rel-18 CR 28.531 Adding a requirement for network slice provisioning service | CMDI | not pursued |  | - |
| S5-226407 | pCR TR 28.833 Update potential solutions and evaluations for Topic 1 and Topic 2 of FS\_5GLAN\_Mgt | CMDI, Huawei | approved |  |  |
| S5-226408 | pCR 28.836 Solution for intent-driven management to deliver a network slice instance | TELEFONICA S.A. | revised |  | S5-226956 |
| S5-226409 | pCR TR 28.833 Update potential solutions and evaluations for Topic 3 of FS\_5GLAN\_Mgt | CMDI, Huawei | approved |  |  |
| S5-226410 | Rel-18 pCR 28.828 Add evaluation and conclusion for PNI-NPN topic 1 | China Mobile | revised |  | S5-226706 |
| S5-226411 | pCR TR 28.925 Add conclusion for issue 4.8 | HuaWei Technologies Co., Ltd | revised |  | S5-226963 |
| S5-226412 | pCR 28.864 Add the evaluation for KI#1 | Chinatelecom Cloud | revised |  | S5-226832 |
| S5-226413 | pCR 28.864 Add the evaluation for KI#2 | Chinatelecom Cloud | revised |  | S5-226833 |
| S5-226414 | pCR 28.864 Add the evaluation for KI#3 | Chinatelecom Cloud | revised |  | S5-226835 |
| S5-226415 | pCR 28.864 Add the potential solution for KI#3 | Chinatelecom Cloud | revised |  | S5-226836 |
| S5-226416 | pCR 28.864 Add the evaluation for KI#5 | Chinatelecom Cloud | revised |  | S5-226837 |
| S5-226417 | pCR 28.864 Add the evaluation for KI#6 | Chinatelecom Cloud | revised |  | S5-226838 |
| S5-226418 | Rel-17 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | not pursued | S5-225268 | - |
| S5-226419 | Rel-17 CR 32.291 Missing operation and identifier in NEF charging information | Ericsson LM | not pursued | S5-225269 |  |
| S5-226420 | Rel-17 CR 32.298 Missing operation and identifier in NEF charging information | Ericsson LM | not pursued | S5-225270 |  |
| S5-226421 | Rel-17 CR 32.298 Correction presence reporting in roaming QBC information | Ericsson LM | agreed |  |  |
| S5-226422 | Rel-17 CR 32.290 Missing IMS-Node for release | Ericsson LM | revised |  | S5-226725 |
| S5-226423 | Rel-18 CR 32.290 Missing IMS-Node for release | Ericsson LM | revised |  | S5-226726 |
| S5-226424 | Rel-17 CR 32.255 Correction on usage of PLMN-ID in Charging Id | Ericsson LM | revised |  | S5-226727 |
| S5-226425 | Rel-18 CR 32.291 Addition of MMS converged charging information | Ericsson LM | revised |  | S5-226691 |
| S5-226426 | Rel-18 CR 32.298 Addition of MMS converged charging information | Ericsson LM | revised |  | S5-226692 |
| S5-226427 | Rel-18 pCR 32.847 Adding a solution using separate CHF defined max UE | Ericsson LM | merged |  |  |
| S5-226428 | Rel-18 pCR 32.847 Adding a solution using separate CHF defined max sessions | Ericsson LM | merged |  |  |
| S5-226429 | Rel-18 pCR 28.826 Undefined attribute handling in CDR | Ericsson LM | revised |  | S5-226855 |
| S5-226430 | Rel-18 pCR 28.826 Use of requested units at suspended | Ericsson LM | not pursued |  |  |
| S5-226431 | Rel-18 pCR 28.826 Adding solution in clause 5.1 using new trigger category | Ericsson LM | revised |  | S5-226856 |
| S5-226432 | Rel-18 pCR 28.826 Adding solution for size of charging information | Ericsson LM | not pursued |  |  |
| S5-226433 | Rel-18 pCR 28.826 Adding key issues for documentation structure | Ericsson LM | approved |  |  |
| S5-226434 | Rel-18 pCR 28.826 Adding solution in clause 5.1 not splitting rating group | Ericsson LM | revised |  | S5-226857 |
| S5-226435 | Rel-18 pCR 28.827 Correcting solution for charging trigger configuration | Ericsson LM | revised |  | S5-226694 |
| S5-226436 | Rel-18 pCR 28.827 Evaluation of solutions for clause 7.1 | Ericsson LM | not pursued |  |  |
| S5-226437 | Rel-18 pCR 28.827 Restructure clause 7.2.1 | Ericsson LM | approved |  |  |
| S5-226438 | Rel-18 pCR 28.827 Adding solution for SMS in clause 7.2 | Ericsson LM | revised |  | S5-226695 |
| S5-226439 | Rel-18 pCR 28.827 Updating solutions 2.10 and 2.11 | Ericsson LM | revised |  | S5-226696 |
| S5-226440 | Rel-18 pCR 28.827 Correcting solutions 2.13 to 2.15 | Ericsson LM | revised |  | S5-226697 |
| S5-226441 | Rel-18 pCR 28.827 New key issue for selection of charging information in clause 7.2.3 | Ericsson LM | revised |  | S5-226698 |
| S5-226442 | Rel-18 pCR 28.827 Evaluation of solutions for clause 7.2 | Ericsson LM | revised |  | S5-226699 |
| S5-226443 | Rel-18 pCR 28.827 Evaluation of solutions for clause 7.3 | Ericsson LM | revised |  | S5-226700 |
| S5-226444 | Rel-18 pCR 28.827 Evaluation of solutions for clause 7.4 | Ericsson LM | revised |  | S5-226701 |
| S5-226445 | Rel-18 pCR 28.827 Evaluation of solutions for clause 7.5 | Ericsson LM | revised |  | S5-226702 |
| S5-226446 | Rel-18 pCR 28.827 Adding solution in clause 7.6 for UE usage information reporting | Ericsson LM | not pursued |  |  |
| S5-226447 | Discussion paper on comparison between double or single CHF | Ericsson LM | noted |  |  |
| S5-226448 | Rel-18 pCR 28.828 Addition of solution in clause 5.2 using separate CCS | Ericsson LM | revised |  | S5-226707 |
| S5-226449 | Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | not pursued |  |  |
| S5-226450 | pCR 28.809 Clarifying simultaneous and separate execution of training and inference phases | TELEFONICA S.A. | revised |  | S5-226917 |
| S5-226451 | R17 CR 28622h30 Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | not pursued |  |  |
| S5-226452 | R18 CR 28.622-i00 Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | not pursued |  |  |
| S5-226453 | pCR 28.864 Add the potential solution for KI#7 | Chinatelecom Cloud | approved |  |  |
| S5-226454 | pCR TR 28.913 New Key Issue RAN energy saving when using backup batteries | Huawei | revised |  | S5-227063 |
| S5-226455 | pCR 28.913 Conclusion and recommendation for KI#1 | Huawei, Deutsche Telekom | not pursued |  |  |
| S5-226456 | pCR 28.913 Potential solution for KI#4 EE KPI for V2X network slice | Huawei, Deutsche Telekom | approved |  |  |
| S5-226457 | [Draft] Reply LS to S5-226015 on customer acceptance of limited QoS degradation to save energy in the network (to: GSMA NG ENSWI; cc: NGMN GFN, SA; contact: Huawei) | Huawei | revised |  | S5-227038 |
| S5-226458 | pCR 28.834 Add potential solution for VNF package update of the cloud-native VNF | AsiaInfo Technologies Inc | approved |  |  |
| S5-226459 | pCR TR28.913 Add New Solution for Energy Efficiency of URLLC network slice- RAN based | China Unicom, Huawei | revised |  | S5-227007 |
| S5-226460 | Collection of useful charging endorsed and external communication documents | Huawei | revised |  | S5-226686 |
| S5-226461 | New SID on 5G Advanced Charging | Huawei | revised |  | S5-226689 |
| S5-226462 | Rel-16 CR 32.255 Delete the change of PRA for Roaming | Huawei | agreed |  |  |
| S5-226463 | Rel-17 CR 32.255 Delete the change of PRA for Roaming | Huawei | not pursued |  |  |
| S5-226464 | Rel-16 CR 32.256 Correction on the Triggers for AMF | Huawei | agreed |  |  |
| S5-226465 | Rel-17 CR 32.256 Correction on the Triggers for AMF | Huawei | agreed |  |  |
| S5-226466 | Rel-16 CR 32.254 Addition of the Triggers for NEF | Huawei | revised |  | S5-226843 |
| S5-226467 | Rel-17 CR 32.254 Addition of the Triggers for NEF | Huawei | revised |  | S5-226844 |
| S5-226468 | Rel-16 CR 32.254 Correction on the notifyURI for NEF Charging | Huawei | revised |  | S5-226845 |
| S5-226469 | Rel-17 CR 32.254 Correction on the notifyURI for NEF Charging | Huawei | revised |  | S5-226846 |
| S5-226470 | Discussion Paper on Failure and Restart for Charging | Huawei | noted |  |  |
| S5-226471 | Rel-17 CR 32.290 Correction of Charging notification | Huawei | revised |  | S5-226868 |
| S5-226472 | Rel-18 CR 32.290 Correction of Charging notification | Huawei | revised |  | S5-226869 |
| S5-226473 | Rel-17 CR 32.291 Charging notification Failover | Huawei | revised |  | S5-226870 |
| S5-226474 | LS on NF consumer Failure and Restart for Charging (to: CT4; cc: SA2; contact: Huawei) | Huawei | not pursued |  |  |
| S5-226475 | Rel-17 CR 32.290 Addition of the NF consumer for EC Charging | Huawei | agreed |  |  |
| S5-226476 | Rel-18 CR 32.290 Addition of the NF consumer for EC Charging | Huawei | agreed |  |  |
| S5-226477 | Rel-17 CR 32.291 Addition of the NodeFunctionality for EC | Huawei | agreed |  |  |
| S5-226478 | Rel-17 CR 32.298 Addition of the EES in the CHF CDR | Huawei | revised |  | S5-226847 |
| S5-226479 | Rel-16 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging | Huawei,Amdocs | revised |  | S5-226723 |
| S5-226480 | Rel-17 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging | Huawei,Amdocs | revised |  | S5-226724 |
| S5-226481 | Rel-17 CR 32.290 Clarification on the CHF-controlled quota management | Huawei | not pursued |  |  |
| S5-226482 | Rel-18 CR 32.290 Clarification on the CHF-controlled quota management | Huawei | not pursued |  |  |
| S5-226483 | Rel-17 CR 32.260 Addition of the IMS Charging CHF CDR | Huawei | revised |  | S5-226871 |
| S5-226484 | Rel-17 CR 32.298 Addition of the IMS Charging in the CHF CDR | Huawei | revised |  | S5-226872 |
| S5-226485 | Discussion Paper on Triggers in the CHF CDR | Huawei | endorsed |  |  |
| S5-226486 | Rel-17 CR 32.298 Addition of the Triggers in the CHF CDR | Huawei | not pursued |  |  |
| S5-226487 | Rel-18 pCR 32.847 Remove the Requirement REQ-NSCH-08 | Huawei | not pursued |  |  |
| S5-226488 | Rel-18 pCR 32.847 Correction on the uniform terminology | Huawei | revised |  | S5-226852 |
| S5-226489 | Rel-18 pCR 32.847 Conclusion on the Key Issue #7 | Huawei | revised |  | S5-226854 |
| S5-226490 | Rel-18 pCR 32.847 Clarification on the Maximum | Huawei | revised |  | S5-226853 |
| S5-226491 | Rel-18 pCR 28.826 Addition of optimization on charging information accuracy | Huawei | revised |  | S5-226858 |
| S5-226492 | Rel-18 pCR 28.826 Addition of Bitrate charging | Huawei | revised |  | S5-226859 |
| S5-226493 | Rel-18 pCR 28.826 Addition of Threshold based re-authorization triggers optimization | Huawei | revised |  | S5-226860 |
| S5-226494 | Rel-18 pCR 28.826 Clarifiy the Cancel Operation | Huawei | revised |  | S5-226861 |
| S5-226495 | Rel-18 pCR 28.826 Clarify the Non-Blocking solution | Huawei | revised |  | S5-226862 |
| S5-226496 | Rel-18 pCR 28.826 Optimization of the Binding | Huawei | revised |  | S5-226863 |
| S5-226497 | Rel-18 pCR 28.826 Simplify the structure of CDR record | Huawei | revised |  | S5-226864 |
| S5-226498 | Rel-18 pCR 28.826 Common IEs applied in the service charging specifications | Huawei | not pursued |  |  |
| S5-226499 | Rel-18 pCR 28.827 Add new solution for PDU session level negotiation | Huawei | revised |  | S5-226703 |
| S5-226500 | Rel-18 pCR 28.827 Add new solution for QBC trigger setting | Huawei | revised |  | S5-226704 |
| S5-226501 | Rel-18 pCR 28.827 Add new solution for Roaming Charging Profile Update | Huawei | revised |  | S5-226705 |
| S5-226502 | Rel-18 pCR 28.828 Add the solution for key issue #1c | Huawei | revised |  | S5-226708 |
| S5-226503 | Rel-18 pCR 28.828 Add the solution for accessing the SNPN service via PLMN | Huawei | revised |  | S5-226709 |
| S5-226504 | Rel-18 pCR 28.839 Update of the Skeleton | Huawei | approved |  |  |
| S5-226505 | Rel-18 pCR 28.839 Update of the Terms, Symbols and Abbreviations | Huawei | approved |  |  |
| S5-226506 | Rel-18 pCR 28.839 Add the Backgroud of TSN architecture | Huawei | approved |  |  |
| S5-226507 | Rel-18 pCR 28.839 Add the Business Roles | Huawei | revised |  | S5-226710 |
| S5-226508 | pCR TR28.913 Add New Key issue on Energy Efficiency of URLLC network slice- RAN based | China Unicom, Huawei | revised |  | S5-226636 |
| S5-226509 | pCR TR 28.925 Add issue on interoperability support using SBMA | HuaWei Technologies Co., Ltd | noted |  |  |
| S5-226510 | pCR TR28.913 Add New Solution for Energy Efficiency of a URLLC network slice based on reliability | China Unicom, Huawei | revised |  | S5-226635 |
| S5-226511 | pCR TR 28.832 Add issue on configuration of reliability in slice profiles | China Unicom | revised |  | S5-226966 |
| S5-226512 | pCR TR 28.832 Add potential solution for issue on configuration of reliability in slice profiles | China Unicom | revised |  | S5-226971 |
| S5-226513 | pCR TR28.832 Add New Solution for support for performance measurements related on URLLC resource load | China Unicom, Huawei | withdrawn |  |  |
| S5-226514 | pCR 28.824 Add expectations and functional blocks as background | Nokia, Nokia Shanghai Bell | noted |  | - |
| S5-226515 | pCR TR28.832 Add New Solution for URLLC performance management related to reliability | China Unicom | revised |  | S5-226973 |
| S5-226516 | Rel-18 InputToDraftCR 28.538 NBI support QoS | Samsung R&D Institute India | withdrawn |  |  |
| S5-226517 | CR TS28.554 Add new KPI on average air-interface efficiency | China Unicom | withdrawn |  |  |
| S5-226518 | pCR 28.912 Add priority to potential solution for intent conflicts | NTT DOCOMO INC. | revised |  | S5-226905 |
| S5-226519 | CR TS28.552 Rel-17 Correction of Wideband CQI distribution | China Unicom | revised |  | S5-226660 |
| S5-226520 | Discussion Paper on including EW bound interface into eECM | Samsung R&D Institute India | noted |  | - |
| S5-226521 | CR TS28.552 Rel-18 Correction of Wideband CQI distribution | China Unicom | revised |  | S5-226661 |
| S5-226522 | CR TS28.552 Add new measurement on Packet Loss Rate | China Unicom | revised |  | S5-226662 |
| S5-226523 | Updated WID on enhanced Edge Computing Management | Samsung R&D Institute India | noted |  |  |
| S5-226524 | pCR TR28.832 Add New Solution for support for performance measurements related on URLLC resource load | China Unicom | revised |  | S5-226975 |
| S5-226525 | Reply LS to S5-226016 and S5-226017 on EastWest bound interface telco edge consideration (to: GSMA OPG; cc: SA, ETSI MEC ISG; contact: Samsung) | Samsung R&D Institute India | revised |  | S5-226729 |
| S5-226526 | pCR TR28.913 Add New Solution for Energy Efficiency of URLLC network slice- RAN based | China Unicom, Huawei | withdrawn |  |  |
| S5-226527 | pCR TR 28.835 Add key issue on PLMN granularity requirement of performance measurements for MOCN | China Unicom | approved |  |  |
| S5-226528 | pCR TR 28.835 Add potential solution for issue on PLMN granularity requirement of performance measurements for MOCN | China Unicom | revised |  | S5-226991 |
| S5-226529 | Rel-18 InputToDraftCR 28.538 Availability Zone | Samsung R&D Institute India | not pursued |  |  |
| S5-226530 | Rel-18 CR 28.531 Update procedures and operations to support asynchronous mode of operation | Samsung R&D Institute India | revised |  | S5-226663 |
| S5-226531 | Rel-18 CR 28.541 adding processMonitor in NetworkSlice and NetworkSliceSubnet | Samsung R&D Institute India | not pursued |  |  |
| S5-226532 | New study item on Satellite Charging | CATT | revised |  | S5-226690 |
| S5-226533 | Discussion paper on Satellite Charging | CATT | noted |  |  |
| S5-226534 | [DRAFT] Reply LS to S2-2209607 = S5-226075 on reporting dynamic satellite backhaul parameters to CHF (to: SA2; cc: -; contact: CATT) | CATT | revised |  | S5-226685 |
| S5-226535 | Rel-18 CR 28.531 deleting allocate network | Samsung R&D Institute India | revised |  | S5-226664 |
| S5-226536 | CR TS28.554 Add new KPI on average air-interface efficiency for NRCellDU | China Unicom | revised |  | S5-226665 |
| S5-226537 | Rel-18 CR 28.541 Fix vague issues in EP\_Transport | Samsung R&D Institute India | revised |  | S5-226821 |
| S5-226538 | Add New Key issue on configuration of latency for URLLC in RAN | China Unicom | revised |  | S5-226972 |
| S5-226539 | Rel-18 pCR 28.829 Corrections | Samsung, EUTC, EDF, BMWK | revised |  | S5-226808 |
| S5-226540 | Rel-18 Draft Skeleton for TS on Access control for management service | Nokia, Nokia Shanghai Bell | not pursued |  | - |
| S5-226541 | Rel-18 Input to DraftCR 28.622 Clarify pointer to ConditionMonitor | Nokia, Nokia Shanghai Bell | revised |  | S5-226823 |
| S5-226542 | Rel-18 Input to DraftCR 28.623 Clarify pointer to ConditionMonitor | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-226543 | pCR 28.838 add use case of load balancing | China Mobile Com. Corporation | revised |  | S5-226959 |
| S5-226544 | Rel-18 pCR 28.xxx Add usecases and requirement for management service access control | Nokia, Nokia Shanghai Bell | noted |  | - |
| S5-226545 | DP on connecting subnet with EP\_RP directly | Samsung R&D Institute India | revised |  | S5-226819 |
| S5-226546 | Rel-18 CR 28.541 on connecting subnet with EP\_RP directly | Samsung R&D Institute India | revised |  | S5-226820 |
| S5-226547 | Reply LS to S2-2209656 = S5-226076 on possibility of providing per UE speed and orientation on FS\_eNA\_Ph3 (to: SA2; cc: SA; contact: Samsung) | SA5 | approved |  |  |
| S5-226548 | Rel-18 CR 28.105 adding missing attributes | Samsung R&D Institute India | revised |  | S5-226781 |
| S5-226549 | Rel-18 pCR 28.831 Improve revised definition of creatMOI | Nokia, Nokia Shanghai Bell | revised |  | S5-226950 |
| S5-226550 | Rel-18 pCR 28.831 Add issue – Definition of modifyMOIAttributes | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-226551 | Rel-18 pCR 28.831 Add issue – Definition of modifyMOIAttributes | Nokia, Nokia Shanghai Bell | revised |  | S5-226951 |
| S5-226552 | Rel-18 pCR 28.831 Add issue – Definition of HTTP error responses | Nokia, Nokia Shanghai Bell | revised |  | S5-226974 |
| S5-226553 | pCR TR28.908 corrections on terms and definitions | NEC, Intel | revised |  | S5-226918 |
| S5-226554 | AI/ML entity retraining requirements update | Ericsson India Private Limited | withdrawn |  |  |
| S5-226555 | pCR 28.908 Add use case on training data effectiveness report and analytics | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-226556 | Rel-18 pCR 28.831 Add approved but not implemented Annex A on XPath profiles | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-226557 | Rel-18 CR TS28.541 Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | not pursued | S5-226108 | - |
| S5-226558 | pCR TR28.908 Corrections including editorials | NEC, Intel | approved |  |  |
| S5-226559 | Orchestrating AIML inference enhancement | Ericsson India Private Limited | withdrawn |  |  |
| S5-226560 | Rel-18 CR TS28.531 Procedures to support asynchronous Network Slice LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | not pursued | S5-226109 | - |
| S5-226561 | AI/ML model performance management enhancement | Ericsson India Private Limited | withdrawn |  |  |
| S5-226562 | pCR 28.908 Add use case on multiple AIML entity testing | CATT | not pursued | S5-225508 |  |
| S5-226563 | pCR 28.908 Add possible solution for multiple AI-ML entity testing | CATT | not pursued |  |  |
| S5-226564 | pCR 28.908 Update description and requirements on supporting online AIML entity testing | CATT | revised | S5-225509 | S5-226997 |
| S5-226565 | Rel-17 CR 32.277 Adding ProSe Converge Charging Architecture in reference point representation | CATT | revised |  | S5-226865 |
| S5-226566 | Rel-17 CR 32.240 Adding PR definitions for ProSe in Charging Architecture | CATT | revised |  | S5-226866 |
| S5-226567 | Rel-18 CR TS 28.530 Add network slice isolation use case and requirements | Nokia, Nokia Shanghai Bell | not pursued | S5-226107 | - |
| S5-226568 | R18 CR 28623 Definition of parameters MDT Alignment Information and Available RAN Visible QoE Metrics (stage3, YANG) | Ericsson Inc. | agreed |  |  |
| S5-226569 | Rel-18 CR 32.240 Adding PR definitions for ProSe in Charging Architecture | CATT | revised |  | S5-226867 |
| S5-226570 | Rel-18 pCR 28.913 EE of URLLC network slice based on reliability | Samsung Guangzhou Mobile R&D | revised |  | S5-227009 |
| S5-226571 | Rel-17 CR 28.404 flow correction and clean up | Nokia | revised |  | S5-226667 |
| S5-226572 | Rel-16 CR 28.404 flow correction and clean up | Nokia | revised |  | S5-226668 |
| S5-226573 | Rel-18 CR 28.405 clean up | Nokia | revised |  | S5-226669 |
| S5-226574 | Rel-17 CR 28.405 clean up | Nokia | revised |  | S5-226670 |
| S5-226575 | Rel-18 CR 28.405 Management based activation in NR correction for SBMA | Nokia | revised |  | S5-226671 |
| S5-226576 | Rel-18 CR 28.622 jobID for QMCJob | Nokia | revised |  | S5-226672 |
| S5-226577 | Rel-18 CR TS 28.531 Add missing use case and requirement for capability class | L.M. Ericsson Limited, Deutsche Telekom | revised |  | S5-226898 |
| S5-226578 | Rel-17 CR TS 28.531 Add missing use case and requirement for capability class | L.M. Ericsson Limited, Deutsche Telekom | revised |  | S5-226897 |
| S5-226579 | Discussion paper on requirements and network slice intent | L.M. Ericsson Limited, Deutsche Telekom | noted |  | - |
| S5-226580 | Discussion paper on study intent driven management for network slicing | L.M. Ericsson Limited, Deutsche Telekom | revised |  | S5-226954 |
| S5-226581 | pCR TR 28.836 Add structure of a potential solution to clause 6 | L.M. Ericsson Limited, Deutsche Telekom | merged |  |  |
| S5-226582 | Rel-18 CR 28.531 Specify network slicing provisioning rules requirements | L.M. Ericsson Limited | not pursued |  | - |
| S5-226583 | Rel-18 CR 28.541 Add network slice rules to NRM | L.M. Ericsson Limited | revised |  | S5-226829 |
| S5-226584 | Rel-18 CR TS 28.541 Consistency in use of servAttrCom | L.M. Ericsson Limited | agreed |  |  |
| S5-226585 | Rel-17 CR TS 28.541 Consistency in use of servAttrCom | L.M. Ericsson Limited | revised |  | S5-226790 |
| S5-226586 | Rel-16 CR TS 28.541 Consistency in use of servAttrCom | L.M. Ericsson Limited | agreed |  |  |
| S5-226587 | Rel-18 CR TS 28.541 Correct kPIList | L.M. Ericsson Limited | agreed |  |  |
| S5-226588 | Rel-17 CR TS 28.541 Correct kPIList | L.M. Ericsson Limited | agreed |  |  |
| S5-226589 | Rel-16 CR TS 28.541 Correct kPIList | L.M. Ericsson Limited | agreed |  |  |
| S5-226590 | Rel-18 CR TS 28.531 Clarify network slice subnet configuration | L.M. Ericsson Limited | not pursued |  |  |
| S5-226591 | Rel-17 CR TS 28.531 Clarify network slice subnet configuration | L.M. Ericsson Limited | not pursued |  |  |
| S5-226592 | Rel-16 CR TS 28.531 Clarify network slice subnet configuration | L.M. Ericsson Limited | not pursued |  |  |
| S5-226593 | Rel-18 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | revised |  | S5-226970 |
| S5-226594 | Rel-17 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | revised |  | S5-226969 |
| S5-226595 | Rel-16 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | revised |  | S5-226968 |
| S5-226596 | Rel-18 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | revised |  | S5-226793 |
| S5-226597 | Rel-17 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | revised |  | S5-226792 |
| S5-226598 | Rel-16 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | revised |  | S5-226791 |
| S5-226599 | Rel-18 CR TS 28.541 Correct network slice state management table | L.M. Ericsson Limited | revised |  | S5-226794 |
| S5-226600 | Rel-17 CR TS 28.541 Correct network slice state management table | L.M. Ericsson Limited | revised |  | S5-226795 |
| S5-226601 | Discussion paper on network slice state management | L.M. Ericsson Limited | not pursued |  |  |
| S5-226602 | Rel-18 CR TS 28.541 Add new note to Annex B | L.M. Ericsson Limited | not pursued |  |  |
| S5-226603 | Rel-17 CR TS 28.541 Add new note to Annex B | L.M. Ericsson Limited | not pursued |  |  |
| S5-226604 | Rel-16 CR TS 28.541 Add new note to Annex B | L.M. Ericsson Limited | not pursued |  |  |
| S5-226605 | Rel-15 CR TS 28.541 Add new note to Annex B | L.M. Ericsson Limited | not pursued |  |  |
| S5-226606 | Rel-17 CR TS 28.312 Correct intent class diagram | L.M. Ericsson Limited | revised |  | S5-226784 |
| S5-226607 | Rel-17 CR TS 28.312 Correct notFulfilledReason attribute | L.M. Ericsson Limited | agreed |  |  |
| S5-226608 | Rel-17 CR TS 28.312 Correct concept description | L.M. Ericsson Limited | not pursued |  |  |
| S5-226609 | pCR 28.908 Add possible solutions for AI/ML entity deployment | Intel, NEC, CATT | revised |  | S5-227011 |
| S5-226610 | pCR 28.908 Add possible solution for AI/ML configuration | Intel, NEC | revised |  | S5-226942 |
| S5-226611 | pCR 28.908 Add use cases for AI/ML performance evaluation | Intel, NEC | revised |  | S5-226924 |
| S5-226612 | pCR 28.908 Add potential solutios for AI-ML performance evaluation | Intel, NEC | revised |  | S5-226927 |
| S5-226613 | Input to Draft CR Rel-18 28.104 Add recommended actions for non-3GPP operations | Intel, NEC | not pursued |  |  |
| S5-226614 | Rel-17 CR for TS28.552 editorialCorrections | ZXNE | revised |  | S5-226673 |
| S5-226615 | Rel-18 pCR 28.829 Use case on Energy System Recovery | Samsung | revised |  | S5-226809 |
| S5-226616 | Presentation of TR 28.908 for information | Intel, NEC | approved |  |  |
| S5-226617 | R18 CR 28622 Definition of parameters MDT Alignment Information and Available RAN Visible QoE Metrics | Ericsson | agreed |  |  |
| S5-226618 | R18 CR 286405 Add MDT alignment Information and RAN visible QoE Metrics to Handling QMC at Handover | Ericsson | agreed |  |  |
| S5-226619 | R18 CR 28.405 Align Management Based Activation for NR with SBMA and add Available RAN Visible QoE Metrics and MDT Alignment information to align with RAN | Ericsson | merged |  |  |
| S5-226620 | R18 CR 28405 Definition of parameters MDT Alignment Information and Available RAN Visible QoE Metrics | Ericsson | agreed |  |  |
| S5-226621 | R18 Discussion on Excess Packet Delay threshold for M6 | Ericsson | revised |  | S5-226830 |
| S5-226622 | Reply LS to R3-224079 = S5-224326 on M6 Delay Threshold (to: RAN3, RAN2; cc: -; contact: Ericsson) | Ericsson | revised |  | S5-226731 |
| S5-226623 | CR Rel-17 28.105 Correction of stage 3 openAPI | Intel, NEC | agreed |  |  |
| S5-226624 | R18 pCR 28.925-080 Management of MnFs solution 2 | Ericsson | noted |  | - |
| S5-226625 | R17 CR 32.423 Indicate SCP/SEPP info in UE Trace Record | Ericsson | agreed |  |  |
| S5-226626 | pCR 28.842 New key issue on harmonized representation of management data | Nokia, Nokia Shanghai Bell | noted |  | - |
| S5-226627 | Rel-18 Draft TR 28.842 Study on data management phase 2 Skeleton | Nokia, Nokia Shanghai Bell | revised |  | S5-227085 |
| S5-226628 | Rel-18 pCR TR 28.842 Add skeleton | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-226629 | pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements | ZXNE | noted |  | - |
| S5-226630 | Rel-18 Input to DraftCR 28.532 Add alarm prediction solution (stage 2) | Nokia, Nokia Shanghai Bell | not pursued |  |  |
| S5-226631 | InputToDraftCR 28.538 NBI support Stage3 | Samsung R&D Institute India | revised |  | S5-226674 |
| S5-226632 | InputToDraftCR 28.538 NBI support QoS Stage3 | Samsung R&D Institute India | not pursued |  | - |
| S5-226633 | Rel-18 pCR 28.830 Add alarm related definitions | Nokia, Nokia Shanghai Bell | revised |  | S5-226947 |
| S5-226634 | pCR 28.834 Add potential solution for Configuration and Traffic management of the cloud-native VNF using generic OAM functions | China Mobile Com. Corporation | revised |  | S5-226983 |
| S5-226635 | pCR TR28.913 Add New Solution for Energy Efficiency of a URLLC network slice based on reliability | China Unicom, Huawei | revised | S5-226510 | S5-227008 |
| S5-226636 | pCR TR28.913 Add New Key issue on Energy Efficiency of URLLC network slice- RAN based | China Unicom, Huawei, China Telecom | revised | S5-226508 | S5-227006 |
| S5-226637 | pCR 28.842 New key issue on harmonized representation of time of management data | Nokia, Nokia Shanghai Bell | noted |  | - |
| S5-226638 | Rel-18 CR 28.541 Fix vague issues in EP\_Transport Stage 3 | Samsung R&D Institute India | revised |  | S5-226676 |
| S5-226639 | Rel-18 CR 28.541 adding processMonitor in NetworkSlice and NetworkSliceSubnet Stage3 | Samsung R&D Institute India | not pursued |  |  |
| S5-226640 | Rel-18 CR 28.541 on connecting subnet with EP\_RP directly Stage3 | Samsung R&D Institute India | revised |  | S5-226822 |
| S5-226641 | Rel-18 CR 28.105 adding missing attributes Stage3 | Samsung R&D Institute India | not pursued |  | - |
| S5-226642 | Rel-16 CR 28.623 Add missing attribute properties to YANG | Ericsson-LG Co., LTD | agreed |  |  |
| S5-226643 | Rel-17 CR 28.623 Add missing attribute properties to YANG | Ericsson-LG Co., LTD | agreed |  |  |
| S5-226644 | Rel-18 CR 28.623 Add missing attribute properties to YANG | Ericsson-LG Co., LTD | agreed |  |  |
| S5-226645 | Adding qbclndicator to SmPolicyDecision and QosData respectively | IPLOOK | not pursued |  |  |
| S5-226646 | LS reply to 3GPP SA2 on shared EHE and HR PDU session with SBO in V-PLMN | GSMA | postponed |  |  |
| S5-226647 | IPR and legal declaration | WG Chair | noted | - | - |
| S5-226648 | Time Plan for OAM&P sessions | SA5 Chair (Ericsson) | noted | - | - |
| S5-226649 | F2F meeting process for OAM | SA5 Chair (Ericsson) | noted | - | - |
| S5-226650 | TS28.541 Rel-18 NRM enhancements for NWDAFFunction | Nokia, Nokia Shanghai Bell | agreed | S5-226092 | - |
| S5-226651 | TS28.541 Rel-18 NRM enhancements for SEPPFunction | Nokia, Nokia Shanghai Bell | agreed | S5-226094 | - |
| S5-226652 | Rel-17 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2) | Huawei | agreed | S5-226158 | - |
| S5-226653 | Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose | Huawei | agreed | S5-226164 | - |
| S5-226654 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2) | Ericsson Inc. | revised | S5-226336 | S5-227067 |
| S5-226655 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG) | Ericsson Inc. | revised | S5-226337 | S5-227068 |
| S5-226656 | Rel-18 CR TS 28.623 Add stage 3 for data type AvailabilityStatus | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226657 | Rel-18 CR 28.531 Fixing provisioning data reporting service | Samsung R&D Institute India | revised | S5-226386 | S5-227076 |
| S5-226658 | Rel-18 CR 28.531 Adding a requirement for network slice provisioning service | CMDI | withdrawn | - | - |
| S5-226659 | Rel-17 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | withdrawn | - | - |
| S5-226660 | CR TS28.552 Rel-17 Correction of Wideband CQI distribution | China Unicom | revised | S5-226519 | S5-227072 |
| S5-226661 | CR TS28.552 Rel-18 Correction of Wideband CQI distribution | China Unicom | revised | S5-226521 | S5-227073 |
| S5-226662 | CR TS28.552 Add new measurement on Packet Loss Rate | China Unicom | not pursued | S5-226522 | - |
| S5-226663 | Rel-18 CR 28.531 Update procedures and operations to support asynchronous mode of operation | Samsung R&D Institute India | not pursued | S5-226530 | - |
| S5-226664 | Rel-18 CR 28.531 deleting allocate network | Samsung R&D Institute India | agreed | S5-226535 | - |
| S5-226665 | CR TS28.554 Add new KPI on average air-interface efficiency for NRCellDU | China Unicom | revised | S5-226536 | S5-227074 |
| S5-226666 | Rel-18 CR TS 28.530 Add network slice isolation use case and requirements | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226667 | Rel-17 CR 28.404 flow correction and clean up | Nokia | revised | S5-226571 | S5-227026 |
| S5-226668 | Rel-16 CR 28.404 flow correction and clean up | Nokia | revised | S5-226572 | S5-227027 |
| S5-226669 | Rel-18 CR 28.405 clean up | Nokia | revised | S5-226573 | S5-227028 |
| S5-226670 | Rel-17 CR 28.405 clean up | Nokia | revised | S5-226574 | S5-227029 |
| S5-226671 | Rel-18 CR 28.405 Management based activation in NR correction for SBMA | Nokia, Ericsson | agreed | S5-226575 | - |
| S5-226672 | Rel-18 CR 28.622 jobID for QMCJob | Nokia | agreed | S5-226576 | - |
| S5-226673 | Rel-17 CR for TS28.552 editorialCorrections | ZXNE | not pursued | S5-226614 | - |
| S5-226674 | InputToDraftCR 28.538 NBI support Stage3 | Samsung R&D Institute India | not pursued | S5-226631 | - |
| S5-226675 | InputToDraftCR 28.538 NBI support QoS Stage3 | Samsung R&D Institute India | withdrawn | - | - |
| S5-226676 | Rel-18 CR 28.541 Fix vague issues in EP\_Transport Stage 3 | Samsung R&D Institute India | not pursued | S5-226638 | - |
| S5-226677 | Rel-18 CR 28.105 adding missing attributes Stage3 | Samsung R&D Institute India | withdrawn | - | - |
| S5-226678 | Draft TR 32.847 v1.5.0 | MATRIXX Software | withdrawn | - | - |
| S5-226679 | Draft TR 28.826 v1.1.0 | Ericsson LM | approved | - | - |
| S5-226680 | Draft TR 28.827 v1.5.0 | Ericsson LM | approved | - | - |
| S5-226681 | Draft TR 28.828 v1.1.0 | China Mobile | approved | - | - |
| S5-226682 | Draft TR 28.839 v0.3.0 | Huawei | approved | - | - |
| S5-226683 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-226684 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-226685 | Reply LS to S2-2209607 = S5-226075 on reporting dynamic satellite backhaul parameters to CHF (to: SA2; cc: -; contact: CATT) | CICT | approved | S5-226534 | - |
| S5-226686 | Collection of useful charging endorsed and external communication documents | Huawei | endorsed | S5-226460 | - |
| S5-226687 | New SID CHF Segmentation | Nokia, Nokia Shanghai Bell | agreed | S5-226134 | - |
| S5-226688 | New WID on enhanced Network slice Charging in 5G System | MATRIXX Software | agreed | S5-226357 | - |
| S5-226689 | New SID on 5G Advanced Charging | Huawei | agreed | S5-226461 | - |
| S5-226690 | New study item on Satellite Charging | CATT | agreed | S5-226532 | - |
| S5-226691 | Rel-18 CR 32.291 Addition of MMS converged charging information | Ericsson LM | agreed | S5-226425 | - |
| S5-226692 | Rel-18 CR 32.298 Addition of MMS converged charging information | Ericsson LM | agreed | S5-226426 | - |
| S5-226693 | Rel-18 pCR 32.847 Solve Editors Notes on evaluation for KI#1 | MATRIXX Software | approved | S5-226349 | - |
| S5-226694 | Rel-18 pCR 28.827 Correcting solution for charging trigger configuration | Ericsson LM | approved | S5-226435 | - |
| S5-226695 | Rel-18 pCR 28.827 Adding solution for SMS in clause 7.2 | Ericsson LM | approved | S5-226438 | - |
| S5-226696 | Rel-18 pCR 28.827 Updating solutions 2.10 and 2.11 | Ericsson LM | approved | S5-226439 | - |
| S5-226697 | Rel-18 pCR 28.827 Correcting solutions 2.13 to 2.15 | Ericsson LM | approved | S5-226440 | - |
| S5-226698 | Rel-18 pCR 28.827 New key issue for selection of charging information in clause 7.2.3 | Ericsson LM | approved | S5-226441 | - |
| S5-226699 | Rel-18 pCR 28.827 Evaluation of solutions for clause 7.2 | Ericsson LM | approved | S5-226442 | - |
| S5-226700 | Rel-18 pCR 28.827 Evaluation of solutions for clause 7.3 | Ericsson LM | approved | S5-226443 | - |
| S5-226701 | Rel-18 pCR 28.827 Evaluation of solutions for clause 7.4 | Ericsson LM | approved | S5-226444 | - |
| S5-226702 | Rel-18 pCR 28.827 Evaluation of solutions for clause 7.5 | Ericsson LM | approved | S5-226445 | - |
| S5-226703 | Rel-18 pCR 28.827 Add new solution for PDU session level negotiation | Huawei | approved | S5-226499 | - |
| S5-226704 | Rel-18 pCR 28.827 Add new solution for QBC trigger setting | Huawei | approved | S5-226500 | - |
| S5-226705 | Rel-18 pCR 28.827 Add new solution for Roaming Charging Profile Update | Huawei | approved | S5-226501 | - |
| S5-226706 | Rel-18 pCR 28.828 Add evaluation and conclusion for PNI-NPN topic 1 | China Mobile | approved | S5-226410 | - |
| S5-226707 | Rel-18 pCR 28.828 Addition of solution in clause 5.2 using separate CCS | Ericsson LM | approved | S5-226448 | - |
| S5-226708 | Rel-18 pCR 28.828 Add the solution for key issue #1c | Huawei | approved | S5-226502 | - |
| S5-226709 | Rel-18 pCR 28.828 Add the solution for accessing the SNPN service via PLMN | Huawei | approved | S5-226503 | - |
| S5-226710 | Rel-18 pCR 28.839 Add the Business Roles | Huawei | approved | S5-226507 | - |
| S5-226711 | CR to Rel-18 TS 32.240 Editor's Notes Removal | Nokia, Nokia Shanghai Bell | agreed | S5-226138 | - |
| S5-226712 | Rel-17 CR 32.291 Handling of Retry Correction | Nokia, Nokia Shanghai Bell | agreed | S5-226139 | - |
| S5-226713 | Rel-17 CR 32.291 SIP Request/Answer with different Timestamps | Nokia, Nokia Shanghai Bell | agreed | S5-226140 | - |
| S5-226714 | Rel-17 CR 32.298 gNbValue datatype size correction | Nokia, Nokia Shanghai Bell | agreed | S5-226141 | - |
| S5-226715 | Rel-16 CR 32.298 gNbValue datatype size correction | Nokia, Nokia Shanghai Bell | agreed | - | - |
| S5-226716 | Rel-17 CR 32.291 Add SMF Charging Id in Offline Charging | Amdocs | agreed | S5-226196 | - |
| S5-226717 | Rel-17 CR 32.291 Correcting SMSF as Node Functionality | Amdocs | agreed | S5-226198 | - |
| S5-226718 | Rel-16 CR 32.291 Case Mismatch for Management Operation | Amdocs | agreed | S5-226335 | - |
| S5-226719 | Rel-17 CR 32.291 Case Mismatch for Management Operation | Amdocs | agreed | S5-226221 | - |
| S5-226720 | Rel-17 CR 32.291 Add Missing Consumers in Converged Charging | Amdocs | agreed | S5-226324 | - |
| S5-226721 | Rel-17 CR 32.291 Correction on Result Code | Amdocs | agreed | S5-226330 | - |
| S5-226722 | Rel-17 CR 32.291 Correction of Trigger Types in Offline Charging | Amdocs | agreed | S5-226332 | - |
| S5-226723 | Rel-16 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging | Huawei,Amdocs | agreed | S5-226479 | - |
| S5-226724 | Rel-17 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging | Huawei,Amdocs | agreed | S5-226480 | - |
| S5-226725 | Rel-17 CR 32.290 Missing IMS-Node for release | Ericsson LM | agreed | S5-226422 | - |
| S5-226726 | Rel-18 CR 32.290 Missing IMS-Node for release | Ericsson LM | agreed | S5-226423 | - |
| S5-226727 | Rel-17 CR 32.255 Correction on usage of PLMN-ID in Charging Id | Ericsson LM | agreed | S5-226424 | - |
| S5-226728 | LS on Updating Dynamic Measurement Method for both LTE & NR (ETSI\_TC\_EE(22)062031; to: SA5, TEC India, ATIS STEP TEE, ITU-T SG5; cc: -; contact: Nokia) | ETSI TC EE | noted | - | - |
| S5-226729 | Reply LS to S6-222543 = S5-226028 on Network federation interface for Telco edge consideration and proposals to answer GSMA LSs S5-226016 and S5-226017 from SA (to: SA, SA6; cc: SA2; contact: Samsung) | Samsung R&D Institute India | revised | S5-226525 | S5-227039 |
| S5-226730 | Void | ETSI MCC | withdrawn | - | - |
| S5-226731 | Reply LS to R3-224079 = S5-224326 on M6 Delay Threshold (to: RAN3, RAN2; cc: -; contact: Ericsson) | Ericsson, Huawei | revised | S5-226622 | S5-227040 |
| S5-226732 | LS on handover failures related to MRO for inter-system mobility (to: RAN3; cc: RAN2' contact: Nokia) | Nokia, Nokia Shanghai Bell | revised | S5-226191 | S5-227042 |
| S5-226733 | Rel-18 New WID Enhancement of Management of Trace/MDT phase 2 | Nokia, Nokia Shanghai Bell | revised | S5-226170 | S5-227041 |
| S5-226734 | New WID on Enhancements of Self-Organizing Networks (SON) for 5G networks | Intel Korea, Ltd. | not pursued | S5-226235 | - |
| S5-226735 | Rel-18 CR 28.622 Correct inheritance diagram of the file download NRM fragment | Nokia, Nokia Shanghai Bell | agreed | S5-226253 | - |
| S5-226736 | Discussion for a new SID on management aspects of Digital Twin Network | CMDI | revised | S5-226399 | S5-227043 |
| S5-226737 | Rel-18 CR TS 28.104 Usecase and requirements for prediction and statistics of Management data | Nokia, Nokia Shanghai Bell | not pursued | S5-226184 | - |
| S5-226738 | Rel-18 CR TS 28.622 CR Stage 2 definition of Prediction and Statistics of Management data | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226739 | Rel-18 CR 28.554 Add a set of analytics KPIs | Huawei | withdrawn | - | - |
| S5-226740 | FIles and File IOCs YANG | Ericsson Hungary Ltd | agreed | S5-226063 | - |
| S5-226741 | Rel-17 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | revised | S5-226194 | S5-227077 |
| S5-226742 | Rel-18 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | revised | S5-226195 | S5-227078 |
| S5-226743 | Clarify attributes and IOCs | Ericsson Hungary Ltd | withdrawn | - | - |
| S5-226744 | Rel-17 CR 32.156 Clarify definitions of attribute properties | Nokia, Nokia Shanghai Bell, Ericsson | revised | S5-226237 | S5-227044 |
| S5-226745 | Clarify attributes and IOCs | Ericsson Hungary Ltd | withdrawn | - | - |
| S5-226746 | Rel-15 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | agreed | S5-226125 | - |
| S5-226747 | Rel-16 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | agreed | S5-226126 | - |
| S5-226748 | Rel-17 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | agreed | S5-226127 | - |
| S5-226749 | Rel-18 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | agreed | S5-226128 | - |
| S5-226750 | Rel-15 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | agreed | S5-226129 | - |
| S5-226751 | Rel-16 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | agreed | S5-226130 | - |
| S5-226752 | Rel-17 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | agreed | S5-226131 | - |
| S5-226753 | Rel-18 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | agreed | S5-226133 | - |
| S5-226754 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | withdrawn | - | - |
| S5-226755 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | not pursued | S5-226144 | - |
| S5-226756 | Rel-16 CR 32.158 Clarify usage of information models | Nokia, Nokia Shanghai Bell | agreed | S5-226238 | - |
| S5-226757 | Rel-17 CR 32.158 Clarify usage of information models | Nokia, Nokia Shanghai Bell | agreed | S5-226239 | - |
| S5-226758 | Rel-17 CR 32.158 Clarify format of target URIs | Nokia, Nokia Shanghai Bell | revised | S5-226241 | S5-227045 |
| S5-226759 | Rel-16 CR 32.158 Clarify media type related aspects | Nokia, Nokia Shanghai Bell | agreed | S5-226242 | - |
| S5-226760 | Rel-17 CR 32.158 Clarify media type related aspects | Nokia, Nokia Shanghai Bell | agreed | S5-226243 | - |
| S5-226761 | Rel-16 CR 32.158 Correct and clarify examples in Annex A | Nokia, Nokia Shanghai Bell | agreed | S5-226250 | - |
| S5-226762 | Rel-17 CR 32.158 Correct and clarify examples in Annex A | Nokia, Nokia Shanghai Bell | agreed | S5-226251 | - |
| S5-226763 | Rel-16 CR 28.532 Correct OpenAPI definition of HTTP DELETE | Nokia, Nokia Shanghai Bell | agreed | S5-226254 | - |
| S5-226764 | Rel-17 CR 28.532 Correct OpenAPI definition of HTTP DELETE | Nokia, Nokia Shanghai Bell | agreed | S5-226255 | - |
| S5-226765 | Rel-16 CR 28.532 Correct type of “observedValue” attribute | Nokia, Nokia Shanghai Bell | agreed | S5-226256 | - |
| S5-226766 | Rel-17 CR 28.532 Correct type of “observedValue” attribute | Nokia, Nokia Shanghai Bell | agreed | S5-226257 | - |
| S5-226767 | Rel-16 CR 28.532 Correct definition of the HTTP GET response | Nokia, Nokia Shanghai Bell | agreed | S5-226258 | - |
| S5-226768 | Rel-17 CR 28.532 Correct definition of the HTTP GET response | Nokia, Nokia Shanghai Bell | agreed | S5-226259 | - |
| S5-226769 | Rel-16 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | revised | S5-226260 | S5-227049 |
| S5-226770 | Rel-17 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | revised | S5-226261 | S5-227050 |
| S5-226771 | CR Rel-17 28.104 Correction of definition for analytics window | Intel, NEC | agreed | S5-226223 | - |
| S5-226772 | TS28.312 Rel-17 Correction to Context and Expectation Object definitions | Nokia, Nokia Shanghai Bell | revised | S5-226145 | S5-227054 |
| S5-226773 | TS 28.312 Rel-17 Correction to Stage 3 and Stage 2 definitions for Intent Driven Management | Nokia, Nokia Shanghai Bell | revised | S5-226146 | S5-227055 |
| S5-226774 | TS28.312 Rel17 Addition of notification clauses, correction of mis-numbered clauses and addition of common notifications | Nokia, Nokia Shanghai Bell | revised | S5-226147 | S5-227056 |
| S5-226775 | Rel-17 CR TS 28.104 Adding appropriate reference to GeoArea from NRM definition - Stage 2 and Stage 3 | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226776 | Rel-17 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | revised | S5-226181 | S5-227061 |
| S5-226777 | Rel-17 CR 28.104 Clarification of energy saving analysis use case | Intel Korea, Ltd. | not pursued | S5-226350 | - |
| S5-226778 | Rel-17 CR 28.552 Add the virtualized NE energy consumption measurement | Intel Korea, Ltd. | not pursued | S5-226352 | - |
| S5-226779 | Rel-18 CR TS 28.104 Update MDA assisted energy saving | Huawei | agreed | S5-226370 | - |
| S5-226780 | CR to TS28.104 Rel-17 MDAReport stage3 OpenAPI schema refactoring | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226781 | Rel-18 CR 28.105 adding missing attributes | Samsung R&D Institute India | revised | S5-226548 | S5-227053 |
| S5-226782 | Rel-18 CR TS 28.554 Add EC KPI based on vDisk usage | Huawei, Deutsche Telekom | withdrawn | - | - |
| S5-226783 | Rel-18 CR TS 28.310 Add Energy Saving compensation procedure | Nokia, Nokia Shanghai Bell | revised | S5-226293 | S5-227075 |
| S5-226784 | Rel-17 CR TS 28.312 Correct intent class diagram | L.M. Ericsson Limited | agreed | S5-226606 | - |
| S5-226785 | Rel-17 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | not pursued | S5-226104 | - |
| S5-226786 | Rel-18 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | not pursued | S5-226105 | - |
| S5-226787 | Rel-16 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | revised | S5-226111 | S5-227046 |
| S5-226788 | Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | revised | S5-226112 | S5-227047 |
| S5-226789 | Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | revised | S5-226113 | S5-227048 |
| S5-226790 | Rel-17 CR TS 28.541 Consistency in use of servAttrCom | L.M. Ericsson Limited | agreed | S5-226585 | - |
| S5-226791 | Rel-16 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | agreed | S5-226598 | - |
| S5-226792 | Rel-17 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | agreed | S5-226597 | - |
| S5-226793 | Rel-18 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | agreed | S5-226596 | - |
| S5-226794 | Rel-18 CR TS 28.541 Correct network slice state management table | L.M. Ericsson Limited | agreed | S5-226599 | - |
| S5-226795 | Rel-17 CR TS 28.541 Correct network slice state management table | L.M. Ericsson Limited | agreed | S5-226600 | - |
| S5-226796 | Rel-17 CR 28.622 Correcting attribute definitions | Ericsson France S.A.S | agreed | S5-226068 | - |
| S5-226797 | Rel-18 CR 28.622 Correcting attribute definitions | Ericsson France S.A.S | withdrawn | - | - |
| S5-226798 | Rel-17 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3) | Huawei | agreed | S5-226159 | - |
| S5-226799 | Rel-18 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2) | Huawei | agreed | S5-226160 | - |
| S5-226800 | Rel-18 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3) | Huawei | agreed | S5-226161 | - |
| S5-226801 | Rel-17 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | revised | S5-226342 | S5-227059 |
| S5-226802 | Rel-18 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | revised | S5-226343 | S5-227060 |
| S5-226803 | Rel-17 CR TS 32.422 add excess packet delay threshold for signalling-based and management-based MDT | Huawei | agreed | S5-226367 | - |
| S5-226804 | Rel-17 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | revised | S5-226368 | S5-227090 |
| S5-226805 | Rel-17 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | revised | S5-226369 | S5-227091 |
| S5-226806 | Deprecating model elements | Ericsson Hungary Ltd | agreed | S5-226169 | - |
| S5-226807 | pCR 28.317 Add Concept for RANSC | China Mobile, Huawei | approved | S5-226362 | - |
| S5-226808 | Rel-18 pCR 28.829 Corrections | Samsung, EUTC, EDF, BMWK | approved | S5-226539 | - |
| S5-226809 | Rel-18 pCR 28.829 Use case on Energy System Recovery | Samsung | approved | S5-226615 | - |
| S5-226810 | pCR 28.317 Use case and requirement for RANSC data handling | China Mobile, Huawei | not pursued | S5-226363 | - |
| S5-226811 | pCR 28.317 Usecase and requirement for Self-configuration control and monitor | China Mobile, Huawei | approved | S5-226364 | - |
| S5-226812 | Discussion Paper on including EW bound interface into eECM | Samsung R&D Institute India | withdrawn | - | - |
| S5-226813 | Rel-18 CR 28.552 Add EEC registration related measurements | Intel Korea, Ltd. | agreed | S5-226232 | - |
| S5-226814 | DP on GSMA NBI Requirements | Samsung R&D Institute India | revised | S5-226387 | S5-227069 |
| S5-226815 | TS28.541 Rel-18 NRM enhancements for SCPFunction | Nokia, Nokia Shanghai Bell | agreed | S5-226093 | - |
| S5-226816 | Rel-18 InputToDraftCR 28.538 NBI support | Samsung R&D Institute India | not pursued | S5-226388 | - |
| S5-226817 | TS28.541 Rel-18 NRM enhancements for Tai | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226818 | Discussion Paper on QoS enhancement in NRM | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226819 | DP on connecting subnet with EP\_RP directly | Samsung R&D Institute India | noted | S5-226545 | - |
| S5-226820 | Rel-18 CR 28.541 on connecting subnet with EP\_RP directly | Samsung R&D Institute India | not pursued | S5-226546 | - |
| S5-226821 | Rel-18 CR 28.541 Fix vague issues in EP\_Transport | Samsung R&D Institute India | not pursued | S5-226537 | - |
| S5-226822 | Rel-18 CR 28.541 on connecting subnet with EP\_RP directly Stage3 | Samsung R&D Institute India | not pursued | S5-226640 | - |
| S5-226823 | Rel-18 Input to DraftCR 28.622 Clarify pointer to ConditionMonitor | Nokia, Nokia Shanghai Bell | approved | S5-226541 | - |
| S5-226824 | Rel-17 CR 28.532 Add missing “insert” attribute to the data type “MoiChange” | Nokia, Nokia Shanghai Bell | agreed | S5-226266 | - |
| S5-226825 | Rel-16 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | revised | S5-226264 | S5-227051 |
| S5-226826 | Rel-17 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | revised | S5-226265 | S5-227052 |
| S5-226827 | Rel-18 CR 28.531 Specify network slicing provisioning rules requirements | L.M. Ericsson Limited | not pursued | - | - |
| S5-226828 | Rel-18 CR TS 28.541 Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226829 | Rel-18 CR 28.541 Add network slice rules to NRM | L.M. Ericsson Limited | not pursued | S5-226583 | - |
| S5-226830 | R18 Discussion on Excess Packet Delay threshold for M6 | Ericsson, Huawei | endorsed | S5-226621 | - |
| S5-226831 | Rel-18 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | revised | S5-226186 | S5-227062 |
| S5-226832 | pCR 28.864 Add the evaluation for KI#1 | Chinatelecom Cloud | approved | S5-226412 | - |
| S5-226833 | pCR 28.864 Add the evaluation for KI#2 | Chinatelecom Cloud | approved | S5-226413 | - |
| S5-226834 | pCR TR28.864 Potential Solution on NWDAF Analytics-related Timing | Nokia Belgium | approved | S5-226151 | - |
| S5-226835 | pCR 28.864 Add the evaluation for KI#3 | Chinatelecom Cloud | approved | S5-226414 | - |
| S5-226836 | pCR 28.864 Add the potential solution for KI#3 | Chinatelecom Cloud | approved | S5-226415 | - |
| S5-226837 | pCR 28.864 Add the evaluation for KI#5 | Chinatelecom Cloud | approved | S5-226416 | - |
| S5-226838 | pCR 28.864 Add the evaluation for KI#6 | Chinatelecom Cloud | approved | S5-226417 | - |
| S5-226839 | Revised WID for Access control for management service | Nokia, Nokia Shanghai Bell | endorsed | S5-226402 | - |
| S5-226840 | Rel-18 pCR 28.xxx Add usecases and requirement for management service access control | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226841 | Identification of the Bursts on PDCP SDU Level in CU UP | Nokia Denmark | withdrawn | - | - |
| S5-226842 | New measurement “Mean interruption time interval for 5QI 1 QoS Flow released due to double NG (double UE context)”. | Nokia Denmark | revised | S5-226087 | S5-227071 |
| S5-226843 | Rel-16 CR 32.254 Addition of the Triggers for NEF | Huawei | agreed | S5-226466 | - |
| S5-226844 | Rel-17 CR 32.254 Addition of the Triggers for NEF | Huawei | agreed | S5-226467 | - |
| S5-226845 | Rel-16 CR 32.254 Correction on the notifyURI for NEF Charging | Huawei | agreed | S5-226468 | - |
| S5-226846 | Rel-17 CR 32.254 Correction on the notifyURI for NEF Charging | Huawei | agreed | S5-226469 | - |
| S5-226847 | Rel-17 CR 32.298 Addition of the EES in the CHF CDR | Huawei | agreed | S5-226478 | - |
| S5-226848 | Rel-18 pCR 32.847 Clarify solution #1.6 description | MATRIXX Software | approved | S5-226353 | - |
| S5-226849 | Rel-18 pCR 32.847 Add conclusion for Key issue#1 | MATRIXX Software | approved | S5-226354 | - |
| S5-226850 | Rel-18 pCR 32.847 Correction on evaluation for KI#2 | MATRIXX Software | approved | S5-226355 | - |
| S5-226851 | Rel-18 pCR 32.847 Add conclusion for Key issue#2 | MATRIXX Software | approved | S5-226356 | - |
| S5-226852 | Rel-18 pCR 32.847 Correction on the uniform terminology | Huawei | approved | S5-226488 | - |
| S5-226853 | Rel-18 pCR 32.847 Clarification on the Maximum | Huawei | approved | S5-226490 | - |
| S5-226854 | Rel-18 pCR 32.847 Conclusion on the Key Issue #7 | Huawei | approved | S5-226489 | - |
| S5-226855 | Rel-18 pCR 28.826 Undefined attribute handling in CDR | Ericsson LM | approved | S5-226429 | - |
| S5-226856 | Rel-18 pCR 28.826 Adding solution in clause 5.1 using new trigger category | Ericsson LM | approved | S5-226431 | - |
| S5-226857 | Rel-18 pCR 28.826 Adding solution in clause 5.1 not splitting rating group | Ericsson LM | approved | S5-226434 | - |
| S5-226858 | Rel-18 pCR 28.826 Addition of optimization on charging information accuracy | Huawei | approved | S5-226491 | - |
| S5-226859 | Rel-18 pCR 28.826 Addition of Bitrate charging | Huawei | approved | S5-226492 | - |
| S5-226860 | Rel-18 pCR 28.826 Addition of Threshold based re-authorization triggers optimization | Huawei | approved | S5-226493 | - |
| S5-226861 | Rel-18 pCR 28.826 Clarifiy the Cancel Operation | Huawei | approved | S5-226494 | - |
| S5-226862 | Rel-18 pCR 28.826 Clarify the Non-Blocking solution | Huawei | approved | S5-226495 | - |
| S5-226863 | Rel-18 pCR 28.826 Optimization of the Binding | Huawei | approved | S5-226496 | - |
| S5-226864 | Rel-18 pCR 28.826 Simplify the structure of CDR record | Huawei | approved | S5-226497 | - |
| S5-226865 | Rel-17 CR 32.277 Adding ProSe Converge Charging Architecture in reference point representation | CATT | agreed | S5-226565 | - |
| S5-226866 | Rel-17 CR 32.240 Adding PR definitions for ProSe in Charging Architecture | CATT | agreed | S5-226566 | - |
| S5-226867 | Rel-18 CR 32.240 Adding PR definitions for ProSe in Charging Architecture | CATT | agreed | S5-226569 | - |
| S5-226868 | Rel-17 CR 32.290 Correction of Charging notification | Huawei | agreed | S5-226471 | - |
| S5-226869 | Rel-18 CR 32.290 Correction of Charging notification | Huawei | agreed | S5-226472 | - |
| S5-226870 | Rel-17 CR 32.291 Charging notification Failover | Huawei | agreed | S5-226473 | - |
| S5-226871 | Rel-17 CR 32.260 Addition of the IMS Charging CHF CDR | Huawei | agreed | S5-226483 | - |
| S5-226872 | Rel-17 CR 32.298 Addition of the IMS Charging in the CHF CDR | Huawei | agreed | S5-226484 | - |
| S5-226873 | Rel-18 CR 32.291 Update OpenAPI version | Huawei | agreed | - | - |
| S5-226874 | TS 28.317 v0.2.0 on Management and orchestration;Self-configuration of Radio Access Network Entities (RAN NEs) | China Mobile | approved | - | - |
| S5-226875 | TR 28.824 v0.10.0 on Study on on network slice management capability exposure | Alibaba | approved | - | - |
| S5-226876 | TR 28.829 v0.5.0 on Study on network and service operations for energy utilities | Samsung | approved | - | - |
| S5-226877 | TR 28.831 v0.5.0 on Study on basic Service-Based Management Architecture (SBMA) enabler enhancements | Nokia | approved | - | - |
| S5-226878 | TR 28.832 v0.4.0 on Study on management aspects of Ultra-Reliable and Low Latency Communication (URLLC) | China Unicom | approved | - | - |
| S5-226879 | TR 28.833 v0.5.0 on Study on management aspects of 5GLAN | China Mobile | approved | - | - |
| S5-226880 | TR 28.834 v0.4.0 on Study on management of cloud-native Virtualized Network Functions (VNF) | China Mobile | approved | - | - |
| S5-226881 | TR 28.835 v0.5.0 on Study on management aspects of 5G Multiple Operator Core Network (MOCN) network sharing phase2 | China Unicom | approved | - | - |
| S5-226882 | TR 28.836 v0.3.0 on Study on intent-driven management for network slicing | Ericsson | approved | - | - |
| S5-226883 | TR 28.837 v0.5.0 on Study on management of trace/ Minimization of Drive Tests (MDT) phase 2 | Nokia | approved | - | - |
| S5-226884 | TR 28.838 v0.2.0 on Study on measurement data collection to support RAN intelligence | Intel | approved | - | - |
| S5-226885 | TR 28.841 v0.3.0 on Study on management aspects of IoT NTN enhancements | China Unicom | approved | - | - |
| S5-226886 | TR 28.863 v0.4.0 on Study on Key Quality Indicators (KQIs) for 5G service experience | Huawei | noted | - | - |
| S5-226887 | TR 28.864 v0.5.0 on Study on Enhancement of the management aspects related to NetWork Data Analytics Functions (NWDAF) | China Telecom | approved | - | - |
| S5-226888 | TR 28.907 v1.1.0 on Study on enhancement of management of non-public networks | Huawei | approved | - | - |
| S5-226889 | TR 28.908 v0.5.0 on Study on Artificial Intelligence/Machine Learning (AI/ ML) management | Intel | approved | - | - |
| S5-226890 | TR 28.912 v1.1.0 on Study on enhanced intent driven management services for mobile networks | Huawei | approved | - | - |
| S5-226891 | TR 28.913 v0.4.0 on Study on new aspects of EE for 5G networks phase 2 | Orange | approved | - | - |
| S5-226892 | TR 28.925 v0.9.0 on Study on enhancement of service based management architecture | Huawei | approved | - | - |
| S5-226893 | Rel-18 CR 28.538 Add EEC request rate measurements | Intel Korea, Ltd. | not pursued | S5-226234 | - |
| S5-226894 | Rel-18 CR TS28.622 Add abstract IOC Controller\_ to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | withdrawn | - | - |
| S5-226895 | Rel-18 CR TS28.541 Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | withdrawn | - | - |
| S5-226896 | Rel-18 CR TS28.531 Procedures to support asynchronous Network Slice LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | withdrawn | - | - |
| S5-226897 | Rel-17 CR TS 28.531 Add missing use case and requirement for capability class | L.M. Ericsson Limited, Deutsche Telekom | agreed | S5-226578 | - |
| S5-226898 | Rel-18 CR TS 28.531 Add missing use case and requirement for capability class | L.M. Ericsson Limited, Deutsche Telekom | agreed | S5-226577 | - |
| S5-226899 | pCR TR 28.910 Add key issues for management of ANL | Huawei, China Mobile | withdrawn | - | - |
| S5-226900 | pCR TR 28.910 Add key issues for enhancement of ANL for RAN UE throughput optimization | Huawei,China Mobile | not pursued | S5-226218 | - |
| S5-226901 | pCR TR 28.912 Update the description of Issue#4.2 intent report | Huawei, Deutsche Telekom,China Mobile | approved | S5-226168 | - |
| S5-226902 | pCR TR 28.912 Add Intent Reporting requirements | Ericsson Inc. | approved | S5-226346 | - |
| S5-226903 | pCR TR 28.912 Add Intent Reporting Solutions | Ericsson Inc. | approved | S5-226348 | - |
| S5-226904 | pCR TR 28.912 Update issue for Intent conflicts potential solution | Huawei | approved | S5-226289 | - |
| S5-226905 | pCR 28.912 Add priority to potential solution for intent conflicts | NTT DOCOMO INC. | approved | S5-226518 | - |
| S5-226906 | pCR TR 28.912 Intent Fullfillment feedback | Nokia | withdrawn | - | - |
| S5-226907 | pCR TR 28.912 Potential Solution on enablers for Intent Fulfilment | Nokia | approved | S5-226052 | - |
| S5-226908 | pCR TR 28.912 Potential Solution on Intent-driven Closed Loop control | Nokia | not pursued | S5-226053 | - |
| S5-226909 | pCR to TR 28.912 Update Issue #4.1: intent driven approach for RAN energy saving to support intent expectation satisfying user service experience | ZTE Wistron Telecom AB | not pursued | S5-226084 | - |
| S5-226910 | pCR for TR 28.912#4.3 enhancement of radio network intent expectation for user service level assurance | ZTE Wistron Telecom AB | not pursued | S5-226085 | - |
| S5-226911 | pCR TR 28.912\_new\_capability\_for\_enabler\_of\_MDAS(WoP#2) | Huawei | approved | S5-226313 | - |
| S5-226912 | pCR TR 28.912 update potential solution for 5GC fault management | AsiaInfo Technologies Inc | approved | S5-226396 | - |
| S5-226913 | pCR TR 28.910 Add key issue for enhancement of ANL for fault management | China Mobile, Huawei | not pursued | S5-226296 | - |
| S5-226914 | pCR TR 28.909 Add general process and evaluation objects for evaluating the autonomous network level | China Mobile, Huawei | not pursued | S5-226297 | - |
| S5-226915 | Rel-18 CR 28.538 Add editorial changes | Intel Korea, Ltd. | agreed | S5-226231 | - |
| S5-226916 | pCR 28.908 Addressing wording issues | TELEFONICA S.A. | approved | S5-226326 | - |
| S5-226917 | pCR 28.809 Clarifying simultaneous and separate execution of training and inference phases | TELEFONICA S.A. | approved | S5-226450 | - |
| S5-226918 | pCR TR28.908 corrections on terms and definitions | NEC, Intel | approved | S5-226553 | - |
| S5-226919 | pCR TR28.908 use case and potential solution on Abstraction of AIML performance | Nokia | approved | S5-226037 | - |
| S5-226920 | pCR TR28.908 selection of AIML performance indicators | Nokia | approved | S5-226038 | - |
| S5-226921 | pCR TR28.908 Policy based selection of Performance Indicators | Nokia | approved | S5-226039 | - |
| S5-226922 | Rel-18 pCR TR 28.908 Update use case on AIML model performance indicators | Huawei | withdrawn | - | - |
| S5-226923 | Rel-18 pCR TR 28.908 Add use case on AIML model performance management | Huawei | withdrawn | - | - |
| S5-226924 | pCR 28.908 Add use cases for AI/ML performance evaluation | Intel, NEC | approved | S5-226611 | - |
| S5-226925 | TS28.541 Rel-16 Correcting name of nSInstanceId | Nokia, Nokia Shanghai Bell | agreed | S5-226097 | - |
| S5-226926 | CR to TS 28.541 Rel-17 Correcting name of nSInstanceId | Nokia, Nokia Shanghai Bell | agreed | S5-226098 | - |
| S5-226927 | pCR 28.908 Add potential solutios for AI-ML performance evaluation | Intel, NEC | approved | S5-226612 | - |
| S5-226928 | pCR 28.908 Terminology on Trustworthy AIML | Nokia | approved | S5-226064 | - |
| S5-226929 | pCR TR28.908 Add use case on AIML data trustworthiness | Nokia | approved | S5-226040 | - |
| S5-226930 | Rel-15 CR TS 28.531 Correct vocabulary | Huawei | agreed | S5-226303 | - |
| S5-226931 | Rel-16 CR TS 28.531 Correct vocabulary | Huawei | agreed | S5-226305 | - |
| S5-226932 | Rel-17 CR TS 28.531 Correct vocabulary | Huawei | agreed | S5-226306 | - |
| S5-226933 | Rel-18 CR TS 28.531 Correct vocabulary | Huawei | agreed | S5-226307 | - |
| S5-226934 | pCR TR28.908 Add use case on AIML training trustworthiness | Nokia | approved | S5-226041 | - |
| S5-226935 | pCR TR28.908 Add use case on AIML trustworthiness indicators | Nokia | approved | S5-226042 | - |
| S5-226936 | pCR 28.908 Add use case on AIML inference trustworthiness | Nokia Denmark | approved | S5-226150 | - |
| S5-226937 | pCR TR28.908 use case and potential solution on AIML modularity | Nokia | approved | S5-226035 | - |
| S5-226938 | pCR TR28.908 use case and potential solution on AIML Update | Nokia | not pursued | S5-226036 | - |
| S5-226939 | pCR 28.908 Use case on ML Transfer Learning | Nokia | not pursued | S5-226065 | - |
| S5-226940 | pCR TR28.908 Add use case on AIML inference emulation | Nokia | approved | S5-226066 | - |
| S5-226941 | pCR TR28.908 Potential solution on ML Gradual Activation | Nokia | approved | S5-226043 | - |
| S5-226942 | pCR 28.908 Add possible solution for AI/ML configuration | Intel, NEC | approved | S5-226610 | - |
| S5-226943 | pCR TR28.908 Usecase on Policy based Activation | Nokia Denmark | approved | S5-226149 | - |
| S5-226944 | Rel-18 pCR TR 28.908 AIML configuration management solution | Huawei | withdrawn | - | - |
| S5-226945 | pCR TR28.908 Potential solution on improving retraining efficiency | Nokia | approved | S5-226046 | - |
| S5-226946 | Rel-18 pCR 28.830 on concepts in FSEV study | Huawei, China Mobile | not pursued | S5-226214 | - |
| S5-226947 | Rel-18 pCR 28.830 Add alarm related definitions | Nokia, Nokia Shanghai Bell | not pursued | S5-226633 | - |
| S5-226948 | Rel-18 pCR TR 28.831 Add a new key issue for Adding mechanism to advertise supported NRM capabilities by the MnS producer | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226949 | Rel-18 pCR TR 28.831 Add potential requirements for KI to Add mechanism to advertise supported NRM capabilities by the MnS producer | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226950 | Rel-18 pCR 28.831 Improve revised definition of creatMOI | Nokia, Nokia Shanghai Bell | approved | S5-226549 | - |
| S5-226951 | Rel-18 pCR 28.831 Add issue – Definition of modifyMOIAttributes | Nokia, Nokia Shanghai Bell | approved | S5-226551 | - |
| S5-226952 | Rel-18 InputToDraftCR 28.533 on Access control for management service | Nokia, Nokia Shanghai Bell | revised | - | S5-227070 |
| S5-226953 | Discussion paper on requirements and network slice intent | L.M. Ericsson Limited, Deutsche Telekom | withdrawn | - | - |
| S5-226954 | Discussion paper on study intent driven management for network slicing | L.M. Ericsson Limited, Deutsche Telekom | not pursued | S5-226580 | - |
| S5-226955 | pCR TR 28.836 Add solution for expressing service and slice profile requirements as intent expectations | Huawei, Deutsche Telekom, Ericsson | withdrawn | - | - |
| S5-226956 | pCR 28.836 Solution for intent-driven management to deliver a network slice instance | TELEFONICA S.A. | approved | S5-226408 | - |
| S5-226957 | pCR 28.838 add use case of mobility optimization | Intel Korea, Ltd. | approved | S5-226225 | - |
| S5-226958 | pCR 28.838 add the use case of network energy saving | Intel Korea, Ltd. | approved | S5-226226 | - |
| S5-226959 | pCR 28.838 add use case of load balancing | China Mobile Com. Corporation | approved | S5-226543 | - |
| S5-226960 | pCR 28.838 add concept | Intel Korea, Ltd. | approved | S5-226224 | - |
| S5-226961 | pCR 28.838 add solutions | Intel Korea, Ltd. | approved | S5-226227 | - |
| S5-226962 | pCR 28.838 add conclusions and recommendations | Intel Korea, Ltd. | approved | S5-226228 | - |
| S5-226963 | pCR TR 28.925 Add conclusion for issue 4.8 | HuaWei Technologies Co., Ltd | approved | S5-226411 | - |
| S5-226964 | R18 pCR 28.925-080 Management of MnFs solution 2 | Ericsson | withdrawn | - | - |
| S5-226965 | SA5 meeting calendar | WG Chair | noted | S5-226014 | - |
| S5-226966 | pCR TR 28.832 Add issue on configuration of reliability in slice profiles | China Unicom | approved | S5-226511 | - |
| S5-226967 | Rel-15 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | agreed | - | - |
| S5-226968 | Rel-16 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | agreed | S5-226595 | - |
| S5-226969 | Rel-17 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | agreed | S5-226594 | - |
| S5-226970 | Rel-18 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | agreed | S5-226593 | - |
| S5-226971 | pCR TR 28.832 Add potential solution for issue on configuration of reliability in slice profiles | China Unicom | approved | S5-226512 | - |
| S5-226972 | Add New Key issue on configuration of latency for URLLC in RAN | China Unicom | approved | S5-226538 | - |
| S5-226973 | pCR TR28.832 Add New Solution for URLLC performance management related to reliability | China Unicom | not pursued | S5-226515 | - |
| S5-226974 | Rel-18 pCR 28.831 Add issue – Definition of HTTP error responses | Nokia, Nokia Shanghai Bell | approved | S5-226552 | - |
| S5-226975 | pCR TR28.832 Add New Solution for support for performance measurements related on URLLC resource load | China Unicom | not pursued | S5-226524 | - |
| S5-226976 | pCR 28.834 Add issues for use case 1 | Huawei | approved | S5-226315 | - |
| S5-226977 | pCR 28.834 Add issues for use case 2 | Huawei | approved | S5-226316 | - |
| S5-226978 | pCR 28.834 Update VNF package update use case | Huawei | approved | S5-226317 | - |
| S5-226979 | pCR 28.834 Update scaling use case | Huawei | approved | S5-226320 | - |
| S5-226980 | pCR 28.834 Add Use Case on performance management of the cloud-native VNF using generic OAM functions | AsiaInfo Technologies Inc | approved | S5-226365 | - |
| S5-226981 | pCR 28.834 Allocation of functionality | Huawei | approved | S5-226314 | - |
| S5-226982 | pCR 28.834 Add potential solution for NF creation as cloud native VNF | Huawei | approved | S5-226319 | - |
| S5-226983 | pCR 28.834 Add potential solution for Configuration and Traffic management of the cloud-native VNF using generic OAM functions | China Mobile Com. Corporation | approved | S5-226634 | - |
| S5-226984 | pCR TR28.908 Potential solution on Mobility of AIML Context | Nokia | approved | S5-226044 | - |
| S5-226985 | pCR TR28.908 Potential solution on Producer Initiated AIML Training | Nokia | approved | S5-226045 | - |
| S5-226986 | pCR TR28.908 Potential solution on event data for ML training | Nokia | approved | S5-226047 | - |
| S5-226987 | pCR TR28.908 Potential solution on Orchestrating AIML inference | Nokia | approved | S5-226049 | - |
| S5-226988 | pCR TR28.908 Evaluations for Solution 5.6 and 5.7 | Nokia | approved | S5-226050 | - |
| S5-226989 | pCR TR28.835 Add Issue For Operation Specific 5QI | Ericsson Inc. | approved | S5-226351 | - |
| S5-226990 | pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements | ZXNE | withdrawn | - | - |
| S5-226991 | pCR TR 28.835 Add potential solution for issue on PLMN granularity requirement of performance measurements for MOCN | China Unicom | approved | S5-226528 | - |
| S5-226992 | DP on management capabilities in FSEV study | Huawei, China Mobile | not pursued | S5-226215 | - |
| S5-226993 | pCR 28.830 Add framework of FSEV | Huawei, China Mobile | not pursued | S5-226216 | - |
| S5-226994 | pCR 28.830 Add interface description | Huawei, China Mobile | not pursued | S5-226217 | - |
| S5-226995 | pCR TS 28.912 Update Issues related to collaboration and alignment with other SDOs | Huawei, Deutsche Telekom | approved | S5-226166 | - |
| S5-226996 | DP on structure proposal for new generic NRM specification | Huawei | noted | S5-226381 | - |
| S5-226997 | pCR 28.908 Update description and requirements on supporting online AIML entity testing | CATT | approved | S5-226564 | - |
| S5-226998 | pCR 28.842 New key issue on harmonized representation of management data | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-226999 | pCR 28.842 New key issue on harmonized representation of time of management data | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-227000 | pCR 28.907 Potential solution for exposure of management capabilities and corresponding managed resources | Huawei | approved | S5-226268 | - |
| S5-227001 | pCR 28.907 Resolve Editor’s note in clause 5.1.2.1.2 | Huawei | approved | S5-226269 | - |
| S5-227002 | pCR 28.907 Resolve Editor's note in clause 5.4.1 | Huawei | approved | S5-226270 | - |
| S5-227003 | pCR 28.907 Conclusion for E2E fault management | Huawei | approved | S5-226271 | - |
| S5-227004 | pCR 28.907 Conclusion for resource isolation demand for smart grid utilities | Huawei | approved | S5-226272 | - |
| S5-227005 | pCR 28.907 Resolve Editor's note in clause 5.2.2.1.2 | Huawei | approved | S5-226273 | - |
| S5-227006 | pCR TR28.913 Add New Key issue on Energy Efficiency of URLLC network slice- RAN based | China Unicom, Huawei, China Telecom | not pursued | S5-226636 | - |
| S5-227007 | pCR TR28.913 Add New Solution for Energy Efficiency of URLLC network slice- RAN based | China Unicom, Huawei | not pursued | S5-226459 | - |
| S5-227008 | pCR TR28.913 Add New Solution for Energy Efficiency of a URLLC network slice based on reliability | China Unicom, Huawei | not pursued | S5-226635 | - |
| S5-227009 | Rel-18 pCR 28.913 EE of URLLC network slice based on reliability | Samsung Guangzhou Mobile R&D | approved | S5-226570 | - |
| S5-227010 | pCR TR 28.863 Issue #1 Concept of KQI | Huawei | not pursued | S5-226298 | - |
| S5-227011 | pCR 28.908 Add possible solutions for AI/ML entity deployment | Intel, NEC, CATT | approved | S5-226609 | - |
| S5-227012 | pCR TR 28.863 Issue#1 Difference of KPI, KQI and QoE | Huawei | not pursued | S5-226299 | - |
| S5-227013 | pCR TR 28.863 Issue#1 KQI and management | Huawei | not pursued | S5-226300 | - |
| S5-227014 | CR to TS 28.541 Rel-18 NRM enhancements for NEFFunction | Nokia, Nokia Shanghai Bell | agreed | S5-226090 | - |
| S5-227015 | pCR TR 28.863 Issue #3 Video uploading description | Huawei | withdrawn | - | - |
| S5-227016 | pCR TR 28.863 Issue#4 Remote control description | Huawei | withdrawn | - | - |
| S5-227017 | pCR 28.865 Add solution of service deployment | Huawei | not pursued | S5-226207 | - |
| S5-227018 | pCR 28.865 Add solultion of service requirement modeling | Huawei | not pursued | S5-226208 | - |
| S5-227019 | pCR 28.865 Add solultion of network preparation | Huawei | not pursued | S5-226209 | - |
| S5-227020 | pCR 28.865 Add solution of service and network analysis | Huawei | not pursued | S5-226210 | - |
| S5-227021 | pCR 28.865 Update solution of service assurance for video monitoring | Huawei | not pursued | S5-226211 | - |
| S5-227022 | pCR 28.865 Update solution of service assurance for PLC control | Huawei | not pursued | S5-226212 | - |
| S5-227023 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions | ZXNE | agreed | S5-226378 | - |
| S5-227024 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested legacy handover executions | ZXNE | agreed | S5-226379 | - |
| S5-227025 | pCR 28.824 Concepts of filtering and combination in exposure governance | Huawei, Deutsche Telekom | approved | S5-226274 | - |
| S5-227026 | Rel-17 CR 28.404 flow correction and clean up | Nokia | agreed | S5-226667 | - |
| S5-227027 | Rel-16 CR 28.404 flow correction and clean up | Nokia | agreed | S5-226668 | - |
| S5-227028 | Rel-18 CR 28.405 clean up | Nokia | agreed | S5-226669 | - |
| S5-227029 | Rel-17 CR 28.405 clean up | Nokia | agreed | S5-226670 | - |
| S5-227030 | pCR 28.824 Concepts of filtering in exposure governance | Alibaba Group | approved | S5-226295 | - |
| S5-227031 | pCR 28.824 Merge the definition of Exposed Management Services in 4.1.1.1 and Exposed MnS in 4.1.2.1 | Huawei | not pursued | S5-226275 | - |
| S5-227032 | pCR 28.824 Add expectations and functional blocks as background | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S5-227033 | pCR 28.824 Merge the use cases related to exposed MnS discovery | Huawei | approved | S5-226276 | - |
| S5-227034 | pCR 28.824 Merge the use cases related to network slice management capability exposure | Huawei | approved | S5-226277 | - |
| S5-227035 | pCR 28.824 Update the description of exposure scenarios in clause 4.1.1 | Huawei | approved | S5-226278 | - |
| S5-227036 | pCR 28.824 Update Solution for network slice management capability exposure via CAPIF | Alibaba Group | approved | S5-226294 | - |
| S5-227037 | pCR TR 28.824 Handling of customer’s requirement for network slice management capabilities exposure | Huawei | approved | S5-226327 | - |
| S5-227038 | Reply LS to GSMA LS S5-226015 on customer acceptance of limited QoS degradation to save energy in the network (to: GSMA NG ENSWI; cc: NGMN GFN, SA; contact: Huawei) | Huawei | approved | S5-226457 | - |
| S5-227039 | Reply LS to S6-222543 = S5-226028 on Network federation interface for Telco edge consideration and proposals to answer GSMA LSs S5-226016 and S5-226017 from SA (to: SA, SA6; cc: SA2; contact: Samsung) | Samsung R&D Institute India | approved | S5-226729 | - |
| S5-227040 | Reply LS to R3-224079 = S5-224326 on M6 Delay Threshold (to: RAN3, RAN2; cc: -; contact: Ericsson) | Ericsson, Huawei | approved | S5-226731 | - |
| S5-227041 | Rel-18 New WID Enhancement of Management of Trace/MDT phase 2 | Nokia, Nokia Shanghai Bell | agreed | S5-226733 | - |
| S5-227042 | LS on handover failures related to MRO for inter-system mobility (to: RAN3; cc: RAN2; contact: Nokia) | Nokia, Nokia Shanghai Bell | approved | S5-226732 | - |
| S5-227043 | Discussion for a new SID on management aspects of Digital Twin Network | CMDI | endorsed | S5-226736 | - |
| S5-227044 | Rel-17 CR 32.156 Clarify definitions of attribute properties | Nokia, Nokia Shanghai Bell, Ericsson | agreed | S5-226744 | - |
| S5-227045 | Rel-17 CR 32.158 Clarify format of target URIs | Nokia, Nokia Shanghai Bell | agreed | S5-226758 | - |
| S5-227046 | Rel-16 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | agreed | S5-226787 | - |
| S5-227047 | Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | agreed | S5-226788 | - |
| S5-227048 | Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | agreed | S5-226789 | - |
| S5-227049 | Rel-16 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | agreed | S5-226769 | - |
| S5-227050 | Rel-17 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | agreed | S5-226770 | - |
| S5-227051 | Rel-16 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | agreed | S5-226825 | - |
| S5-227052 | Rel-17 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | agreed | S5-226826 | - |
| S5-227053 | Rel-18 CR 28.105 adding missing attributes | Samsung R&D Institute India | agreed | S5-226781 | - |
| S5-227054 | TS28.312 Rel-17 Correction to Context and Expectation Object definitions | Nokia, Nokia Shanghai Bell | agreed | S5-226772 | - |
| S5-227055 | TS 28.312 Rel-17 Correction to Stage 3 and Stage 2 definitions for Intent Driven Management | Nokia, Nokia Shanghai Bell | agreed | S5-226773 | - |
| S5-227056 | TS28.312 Rel17 Addition of notification clauses, correction of mis-numbered clauses and addition of common notifications | Nokia, Nokia Shanghai Bell | agreed | S5-226774 | - |
| S5-227057 | Rel-17 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob | Huawei | agreed | S5-226156 | - |
| S5-227058 | Rel-18 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob | Huawei | agreed | S5-226157 | - |
| S5-227059 | Rel-17 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | revised | S5-226801 | S5-227082 |
| S5-227060 | Rel-18 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | revised | S5-226802 | S5-227083 |
| S5-227061 | Rel-17 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | agreed | S5-226776 | - |
| S5-227062 | Rel-18 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | agreed | S5-226831 | - |
| S5-227063 | pCR TR 28.913 New Key Issue RAN energy saving when using backup batteries | Huawei | approved | S5-226454 | - |
| S5-227064 | Rel-18 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | agreed | - | - |
| S5-227065 | Rel-18 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | revised | - | S5-227092 |
| S5-227066 | Input to draft CR to TS 28.104 Usecase and requirements for prediction and statistics of Management data | Nokia, Nokia Shanghai Bell | approved | - | - |
| S5-227067 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2) | Ericsson Inc. | agreed | S5-226654 | - |
| S5-227068 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG) | Ericsson Inc. | agreed | S5-226655 | - |
| S5-227069 | DP on GSMA NBI Requirements | Samsung R&D Institute India | endorsed | S5-226814 | - |
| S5-227070 | Rel-18 InputToDraftCR 28.533 on Access control for management service | Nokia, Nokia Shanghai Bell | approved | S5-226952 | - |
| S5-227071 | New measurement “Mean interruption time interval for 5QI 1 QoS Flow released due to double NG (double UE context)”. | Nokia Denmark | agreed | S5-226842 | - |
| S5-227072 | CR TS28.552 Rel-17 Correction of Wideband CQI distribution | China Unicom | agreed | S5-226660 | - |
| S5-227073 | CR TS28.552 Rel-18 Correction of Wideband CQI distribution | China Unicom | agreed | S5-226661 | - |
| S5-227074 | CR TS28.554 Add new KPI on average air-interface efficiency for NRCellDU | China Unicom | agreed | S5-226665 | - |
| S5-227075 | Rel-18 CR TS 28.310 Add Energy Saving compensation procedure | Nokia, Nokia Shanghai Bell, Huawei | agreed | S5-226783 | - |
| S5-227076 | Rel-18 CR 28.531 Fixing provisioning data reporting service | Samsung R&D Institute India | agreed | S5-226657 | - |
| S5-227077 | Rel-17 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | agreed | S5-226741 | - |
| S5-227078 | Rel-18 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | agreed | S5-226742 | - |
| S5-227079 | Rel-16 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | agreed | S5-226338 | - |
| S5-227080 | Rel-17 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | agreed | S5-226339 | - |
| S5-227081 | Rel-18 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | agreed | S5-226340 | - |
| S5-227082 | Rel-17 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | agreed | S5-227059 | - |
| S5-227083 | Rel-18 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | agreed | S5-227060 | - |
| S5-227084 | Presentation of TR 28.838 for SA approval | Intel Korea, Ltd. | approved | S5-226341 | - |
| S5-227085 | TR 28.842 v0.1.0 on Study on data management phase 2 | Nokia, Nokia Shanghai Bell | approved | S5-226627 | - |
| S5-227086 | Draft CR for TS 28.622 for Rel-18 WI AdNRM\_ph2 | Nokia | approved | - | - |
| S5-227087 | Draft CR for TS 28.623 for Rel-18 WI AdNRM\_ph2 | Nokia | approved | - | - |
| S5-227088 | Draft CR for TS 28.538 for Rel-18 WI eECM | Samsung | approved | - | - |
| S5-227089 | Draft TR 32.847 v1.5.0 | MATRIXX Software | approved | - | - |
| S5-227090 | Rel-17 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | agreed | S5-226804 | - |
| S5-227091 | Rel-17 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | agreed | S5-226805 | - |
| S5-227092 | Rel-18 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | agreed | S5-227065 | - |

### A2: Tdoc decision timing

|  |  |  |
| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S5-226000 | 14/11/2022 08:34:40 | approved |
| S5-226001 | 14/11/2022 08:41:08 | approved |
| S5-226002 | 14/11/2022 08:42:54 | noted |
| S5-226003 | 16/11/2022 12:31:22 | noted |
| S5-226004 | 16/11/2022 12:31:52 | noted |
| S5-226005 | 16/11/2022 12:32:10 | noted |
| S5-226006 | 16/11/2022 12:32:24 | noted |
| S5-226007 | 15/11/2022 13:41:21 | available |
| S5-226008 | 18/11/2022 07:40:37 | revised |
| S5-226008 | 18/11/2022 07:57:00 | reserved |
| S5-226008 | 18/11/2022 08:00:14 | noted |
| S5-226009 | 14/11/2022 08:43:50 | approved |
| S5-226010 | 16/11/2022 12:32:54 | noted |
| S5-226011 | 16/11/2022 12:33:07 | noted |
| S5-226011 | 16/11/2022 12:33:35 | available |
| S5-226011 | 18/11/2022 08:39:43 | noted |
| S5-226012 | 16/11/2022 12:34:18 | reserved |
| S5-226013 | 14/11/2022 08:44:14 | noted |
| S5-226014 | 14/11/2022 09:03:19 | noted |
| S5-226014 | 17/11/2022 08:59:27 | revised |
| S5-226015 | 18/11/2022 08:05:19 | available |
| S5-226016 | 18/11/2022 08:06:34 | noted |
| S5-226017 | 18/11/2022 08:06:36 | noted |
| S5-226018 | 18/11/2022 08:15:28 | noted |
| S5-226019 | 18/11/2022 08:16:26 | available |
| S5-226020 | 18/11/2022 08:29:21 | available |
| S5-226021 | 18/11/2022 08:17:31 | postponed |
| S5-226022 | 16/11/2022 12:34:43 | noted |
| S5-226023 | 18/11/2022 08:17:47 | postponed |
| S5-226024 | 18/11/2022 08:19:47 | noted |
| S5-226024 | 18/11/2022 08:21:14 | postponed |
| S5-226025 | 18/11/2022 08:22:12 | postponed |
| S5-226026 | 17/11/2022 23:14:04 | noted |
| S5-226027 | 18/11/2022 08:22:28 | postponed |
| S5-226028 | 18/11/2022 08:07:55 | available |
| S5-226029 | 17/11/2022 23:16:29 | noted |
| S5-226030 | 18/11/2022 08:30:01 | noted |
| S5-226031 | 16/11/2022 12:35:38 | noted |
| S5-226032 | 18/11/2022 08:18:54 | noted |
| S5-226032 | 18/11/2022 08:21:30 | postponed |
| S5-226033 | 18/11/2022 08:22:45 | postponed |
| S5-226034 | 18/11/2022 08:19:13 | noted |
| S5-226035 | 16/11/2022 16:05:18 | revised |
| S5-226036 | 16/11/2022 16:18:56 | revised |
| S5-226037 | 16/11/2022 13:38:01 | revised |
| S5-226038 | 16/11/2022 13:45:21 | revised |
| S5-226039 | 16/11/2022 13:59:56 | revised |
| S5-226040 | 16/11/2022 15:01:56 | revised |
| S5-226041 | 16/11/2022 15:42:54 | revised |
| S5-226042 | 16/11/2022 15:45:05 | revised |
| S5-226043 | 16/11/2022 16:37:47 | revised |
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| S5-226045 | 17/11/2022 11:08:49 | revised |
| S5-226046 | 16/11/2022 17:00:52 | revised |
| S5-226047 | 17/11/2022 11:09:17 | revised |
| S5-226048 | 18/11/2022 15:07:56 | approved |
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| S5-226050 | 17/11/2022 11:09:59 | revised |
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| S5-226051 | 28/11/2022 09:28:52 | noted |
| S5-226052 | 16/11/2022 10:50:21 | revised |
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| S5-226054 | 14/11/2022 14:47:52 | revised |
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| S5-226058 | 16/11/2022 12:36:19 | agreed |
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| S5-226062 | 14/11/2022 13:06:31 | agreed |
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| S5-226066 | 16/11/2022 16:36:18 | revised |
| S5-226067 | 16/11/2022 18:27:05 | withdrawn |
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| S5-226069 | 15/11/2022 08:40:43 | revised |
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| S5-226070 | 15/11/2022 08:46:27 | agreed |
| S5-226071 | 15/11/2022 08:47:06 | agreed |
| S5-226072 | 17/11/2022 23:17:14 | noted |
| S5-226073 | 16/11/2022 12:35:02 | noted |
| S5-226074 | 16/11/2022 07:46:58 | noted |
| S5-226075 | 17/11/2022 17:58:27 | replied to |
| S5-226076 | 14/11/2022 09:41:25 | available |
| S5-226077 | 20/11/2022 09:57:41 | postponed |
| S5-226078 | 18/11/2022 08:17:59 | noted |
| S5-226079 | 16/11/2022 18:27:06 | withdrawn |
| S5-226080 | 16/11/2022 18:27:08 | withdrawn |
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| S5-226087 | 16/11/2022 07:36:42 | revised |
| S5-226088 | 14/11/2022 13:53:48 | revised |
| S5-226089 | 15/11/2022 13:46:37 | agreed |
| S5-226090 | 17/11/2022 16:05:55 | revised |
| S5-226091 | 18/11/2022 13:13:03 | agreed |
| S5-226092 | 11/11/2022 17:47:23 | revised |
| S5-226093 | 15/11/2022 13:55:19 | agreed |
| S5-226093 | 15/11/2022 13:57:49 | revised |
| S5-226094 | 11/11/2022 17:49:17 | revised |
| S5-226095 | 15/11/2022 14:00:18 | agreed |
| S5-226096 | 15/11/2022 14:00:58 | agreed |
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| S5-226098 | 16/11/2022 14:30:22 | revised |
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| S5-226100 | 14/11/2022 16:39:04 | revised |
| S5-226101 | 16/11/2022 18:02:16 | revised |
| S5-226101 | 28/11/2022 09:29:38 | noted |
| S5-226102 | 16/11/2022 18:04:49 | revised |
| S5-226102 | 28/11/2022 09:29:43 | noted |
| S5-226103 | 11/11/2022 16:47:52 | not treated |
| S5-226103 | 16/11/2022 18:04:59 | withdrawn |
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| S5-226105 | 15/11/2022 07:45:41 | revised |
| S5-226106 | 15/11/2022 16:05:52 | revised |
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| S5-226112 | 15/11/2022 07:50:10 | revised |
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| S5-226116 | 18/11/2022 11:04:40 | agreed |
| S5-226117 | 18/11/2022 11:04:43 | agreed |
| S5-226118 | 18/11/2022 11:05:12 | agreed |
| S5-226119 | 18/11/2022 11:05:29 | agreed |
| S5-226120 | 16/11/2022 13:01:23 | agreed |
| S5-226121 | 16/11/2022 13:01:24 | agreed |
| S5-226122 | 16/11/2022 13:01:28 | agreed |
| S5-226123 | 16/11/2022 12:36:38 | agreed |
| S5-226124 | 16/11/2022 12:36:50 | agreed |
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| S5-226126 | 14/11/2022 13:59:32 | revised |
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| S5-226128 | 14/11/2022 14:00:59 | revised |
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| S5-226130 | 14/11/2022 14:02:01 | revised |
| S5-226131 | 14/11/2022 14:02:18 | revised |
| S5-226132 | 18/11/2022 14:28:58 | not pursued |
| S5-226133 | 14/11/2022 14:04:08 | revised |
| S5-226134 | 15/11/2022 14:54:45 | revised |
| S5-226135 | 16/11/2022 08:15:52 | not pursued |
| S5-226136 | 20/11/2022 12:46:58 | agreed |
| S5-226136 | 20/11/2022 12:50:05 | approved |
| S5-226137 | 16/11/2022 17:18:42 | not pursued |
| S5-226138 | 16/11/2022 17:19:54 | revised |
| S5-226139 | 17/11/2022 11:59:17 | revised |
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| S5-226143 | 14/11/2022 14:23:04 | revised |
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| S5-226145 | 14/11/2022 16:01:14 | revised |
| S5-226146 | 14/11/2022 16:01:20 | revised |
| S5-226147 | 14/11/2022 16:01:32 | revised |
| S5-226148 | 16/11/2022 14:48:52 | withdrawn |
| S5-226149 | 16/11/2022 16:49:55 | revised |
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| S5-226152 | 14/11/2022 17:12:36 | agreed |
| S5-226153 | 16/11/2022 12:52:52 | agreed |
| S5-226154 | 14/11/2022 17:12:55 | agreed |
| S5-226155 | 14/11/2022 17:14:31 | agreed |
| S5-226156 | 18/11/2022 11:05:51 | agreed |
| S5-226156 | 18/11/2022 11:08:52 | available |
| S5-226156 | 18/11/2022 11:09:15 | revised |
| S5-226157 | 18/11/2022 11:05:53 | agreed |
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| S5-226161 | 15/11/2022 08:56:05 | revised |
| S5-226162 | 16/11/2022 13:01:43 | agreed |
| S5-226163 | 16/11/2022 13:01:47 | agreed |
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| S5-226165 | 16/11/2022 13:06:58 | approved |
| S5-226166 | 17/11/2022 11:49:15 | revised |
| S5-226167 | 18/11/2022 14:51:20 | approved |
| S5-226168 | 16/11/2022 10:10:31 | revised |
| S5-226169 | 15/11/2022 09:13:56 | revised |
| S5-226170 | 14/11/2022 10:18:31 | revised |
| S5-226171 | 18/11/2022 15:24:20 | approved |
| S5-226172 | 18/11/2022 15:24:18 | approved |
| S5-226173 | 17/11/2022 11:19:47 | approved |
| S5-226174 | 16/11/2022 13:03:04 | agreed |
| S5-226175 | 16/11/2022 12:51:54 | agreed |
| S5-226176 | 16/11/2022 12:51:56 | agreed |
| S5-226177 | 14/11/2022 16:07:12 | revised |
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| S5-226178 | 16/11/2022 12:52:02 | agreed |
| S5-226179 | 14/11/2022 15:53:40 | available |
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| S5-226182 | 18/11/2022 12:36:56 | agreed |
| S5-226183 | 16/11/2022 13:03:08 | agreed |
| S5-226184 | 14/11/2022 11:24:16 | revised |
| S5-226185 | 16/11/2022 07:59:50 | not pursued |
| S5-226186 | 15/11/2022 17:06:54 | revised |
| S5-226187 | 14/11/2022 11:39:36 | revised |
| S5-226188 | 18/11/2022 12:37:01 | agreed |
| S5-226189 | 18/11/2022 13:04:05 | not pursued |
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| S5-226191 | 14/11/2022 09:39:56 | revised |
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| S5-226193 | 18/11/2022 10:34:30 | not pursued |
| S5-226194 | 14/11/2022 13:25:39 | revised |
| S5-226195 | 14/11/2022 13:27:13 | revised |
| S5-226196 | 17/11/2022 14:13:24 | revised |
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| S5-226198 | 17/11/2022 14:15:03 | revised |
| S5-226199 | 17/11/2022 14:14:40 | agreed |
| S5-226200 | 17/11/2022 14:14:46 | agreed |
| S5-226201 | 17/11/2022 14:18:09 | agreed |
| S5-226202 | 16/11/2022 12:51:33 | agreed |
| S5-226203 | 16/11/2022 12:51:37 | agreed |
| S5-226204 | 16/11/2022 12:53:01 | agreed |
| S5-226205 | 16/11/2022 12:53:09 | agreed |
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| S5-226206 | 28/11/2022 09:29:13 | noted |
| S5-226207 | 17/11/2022 16:22:35 | revised |
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| S5-226211 | 17/11/2022 16:27:48 | revised |
| S5-226212 | 17/11/2022 16:28:03 | revised |
| S5-226213 | 16/11/2022 09:27:00 | revised |
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| S5-226218 | 16/11/2022 09:30:03 | revised |
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| S5-226230 | 18/11/2022 13:25:44 | not pursued |
| S5-226231 | 16/11/2022 13:03:58 | agreed |
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| S5-226232 | 15/11/2022 11:21:15 | revised |
| S5-226234 | 16/11/2022 08:03:59 | revised |
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| S5-226243 | 14/11/2022 14:43:00 | revised |
| S5-226244 | 14/11/2022 14:44:42 | agreed |
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| S5-226246 | 14/11/2022 14:52:25 | agreed |
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| S5-226279 | 18/11/2022 13:10:15 | noted |
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| S5-226280 | 18/11/2022 10:17:36 | not pursued |
| S5-226281 | 18/11/2022 14:45:40 | not pursued |
| S5-226282 | 18/11/2022 10:17:42 | not pursued |
| S5-226283 | 18/11/2022 13:11:13 | noted |
| S5-226284 | 18/11/2022 13:11:28 | noted |
| S5-226285 | 16/11/2022 13:02:07 | agreed |
| S5-226286 | 16/11/2022 13:02:16 | agreed |
| S5-226287 | 16/11/2022 13:02:22 | agreed |
| S5-226288 | 18/11/2022 10:17:47 | not pursued |
| S5-226289 | 16/11/2022 10:18:00 | revised |
| S5-226290 | 18/11/2022 13:10:29 | noted |
| S5-226291 | 18/11/2022 13:09:55 | not pursued |
| S5-226292 | 18/11/2022 15:27:07 | approved |
| S5-226293 | 14/11/2022 17:05:14 | revised |
| S5-226294 | 17/11/2022 17:56:44 | revised |
| S5-226295 | 17/11/2022 17:21:17 | revised |
| S5-226296 | 16/11/2022 11:32:24 | revised |
| S5-226297 | 16/11/2022 11:32:45 | revised |
| S5-226298 | 17/11/2022 15:46:59 | revised |
| S5-226299 | 17/11/2022 15:58:51 | revised |
| S5-226300 | 17/11/2022 16:04:05 | revised |
| S5-226301 | 17/11/2022 16:14:46 | revised |
| S5-226301 | 28/11/2022 09:30:33 | noted |
| S5-226302 | 17/11/2022 16:17:09 | revised |
| S5-226302 | 28/11/2022 09:30:43 | noted |
| S5-226303 | 16/11/2022 15:34:00 | revised |
| S5-226304 | 16/11/2022 12:43:28 | agreed |
| S5-226305 | 16/11/2022 15:34:15 | revised |
| S5-226306 | 16/11/2022 15:34:37 | revised |
| S5-226307 | 16/11/2022 15:34:48 | revised |
| S5-226308 | 14/11/2022 17:46:32 | agreed |
| S5-226309 | 14/11/2022 11:48:06 | noted |
| S5-226310 | 18/11/2022 13:05:03 | not pursued |
| S5-226311 | 14/11/2022 11:47:42 | revised |
| S5-226312 | 15/11/2022 11:26:25 | agreed |
| S5-226313 | 16/11/2022 11:25:22 | revised |
| S5-226314 | 17/11/2022 10:48:50 | revised |
| S5-226315 | 17/11/2022 10:18:02 | revised |
| S5-226316 | 17/11/2022 10:18:59 | revised |
| S5-226317 | 17/11/2022 10:27:42 | revised |
| S5-226318 | 17/11/2022 10:29:31 | approved |
| S5-226319 | 17/11/2022 10:54:33 | revised |
| S5-226320 | 17/11/2022 10:34:01 | revised |
| S5-226321 | 18/11/2022 15:41:38 | approved |
| S5-226322 | 14/11/2022 16:58:44 | revised |
| S5-226323 | 17/11/2022 14:29:54 | agreed |
| S5-226324 | 17/11/2022 14:48:44 | revised |
| S5-226325 | 18/11/2022 15:41:39 | approved |
| S5-226326 | 16/11/2022 13:14:24 | revised |
| S5-226327 | 17/11/2022 18:12:15 | revised |
| S5-226328 | 17/11/2022 14:28:56 | not pursued |
| S5-226329 | 17/11/2022 14:28:44 | not pursued |
| S5-226330 | 17/11/2022 14:55:03 | revised |
| S5-226331 | 17/11/2022 14:29:17 | agreed |
| S5-226332 | 17/11/2022 14:57:18 | revised |
| S5-226333 | 18/11/2022 15:27:09 | approved |
| S5-226335 | 17/11/2022 14:19:00 | revised |
| S5-226336 | 11/11/2022 17:57:57 | revised |
| S5-226337 | 11/11/2022 17:59:08 | revised |
| S5-226338 | 18/11/2022 15:56:05 | revised |
| S5-226339 | 18/11/2022 15:57:49 | revised |
| S5-226340 | 18/11/2022 15:58:03 | revised |
| S5-226341 | 18/11/2022 15:16:58 | approved |
| S5-226341 | 18/11/2022 16:35:44 | revised |
| S5-226342 | 15/11/2022 09:02:41 | revised |
| S5-226343 | 15/11/2022 09:02:57 | revised |
| S5-226344 | 16/11/2022 13:02:26 | agreed |
| S5-226344 | 18/11/2022 12:39:55 | not pursued |
| S5-226345 | 18/11/2022 12:40:02 | not pursued |
| S5-226346 | 16/11/2022 10:10:43 | revised |
| S5-226347 | 18/11/2022 15:02:57 | available |
| S5-226347 | 18/11/2022 16:04:29 | not pursued |
| S5-226348 | 16/11/2022 10:11:13 | revised |
| S5-226349 | 16/11/2022 09:34:21 | revised |
| S5-226350 | 14/11/2022 16:21:05 | revised |
| S5-226351 | 17/11/2022 11:11:47 | revised |
| S5-226352 | 14/11/2022 16:28:19 | revised |
| S5-226353 | 20/11/2022 11:38:05 | revised |
| S5-226354 | 20/11/2022 11:41:09 | revised |
| S5-226355 | 20/11/2022 11:42:01 | revised |
| S5-226356 | 20/11/2022 11:43:46 | revised |
| S5-226357 | 15/11/2022 14:56:38 | revised |
| S5-226358 | 10/11/2022 08:24:55 | withdrawn |
| S5-226358 | 14/11/2022 11:40:54 | reserved |
| S5-226358 | 20/11/2022 09:44:59 | noted |
| S5-226359 | 16/11/2022 12:48:48 | agreed |
| S5-226360 | 16/11/2022 12:48:54 | agreed |
| S5-226361 | 15/11/2022 14:23:03 | revised |
| S5-226361 | 28/11/2022 09:11:02 | noted |
| S5-226362 | 15/11/2022 09:29:25 | revised |
| S5-226363 | 15/11/2022 10:41:22 | revised |
| S5-226364 | 15/11/2022 10:41:38 | revised |
| S5-226365 | 17/11/2022 10:40:29 | revised |
| S5-226366 | 14/11/2022 09:32:15 | approved |
| S5-226366 | 14/11/2022 09:39:13 | available |
| S5-226367 | 15/11/2022 09:07:31 | revised |
| S5-226368 | 15/11/2022 09:08:40 | revised |
| S5-226369 | 15/11/2022 09:09:00 | revised |
| S5-226370 | 14/11/2022 16:33:45 | revised |
| S5-226371 | 16/11/2022 17:16:13 | approved |
| S5-226372 | 16/11/2022 16:36:28 | approved |
| S5-226373 | 16/11/2022 16:36:37 | approved |
| S5-226374 | 16/11/2022 16:57:41 | revised |
| S5-226375 | 16/11/2022 14:22:18 | revised |
| S5-226376 | 16/11/2022 14:22:40 | revised |
| S5-226377 | 14/11/2022 09:30:44 | noted |
| S5-226378 | 17/11/2022 16:39:46 | revised |
| S5-226379 | 17/11/2022 16:41:42 | revised |
| S5-226380 | 18/11/2022 13:10:56 | not pursued |
| S5-226381 | 17/11/2022 11:49:33 | revised |
| S5-226382 | 15/11/2022 14:09:04 | revised |
| S5-226383 | 11/11/2022 17:59:52 | revised |
| S5-226384 | 18/11/2022 15:09:53 | not pursued |
| S5-226385 | 18/11/2022 15:07:41 | approved |
| S5-226386 | 11/11/2022 18:00:39 | revised |
| S5-226387 | 15/11/2022 11:36:38 | revised |
| S5-226388 | 15/11/2022 14:03:19 | revised |
| S5-226389 | 18/11/2022 15:33:29 | approved |
| S5-226389 | 24/11/2022 12:59:01 | noted |
| S5-226390 | 18/11/2022 15:33:31 | approved |
| S5-226390 | 24/11/2022 12:59:02 | noted |
| S5-226391 | 18/11/2022 15:33:34 | approved |
| S5-226391 | 24/11/2022 12:59:04 | noted |
| S5-226392 | 17/11/2022 13:08:35 | approved |
| S5-226393 | 17/11/2022 13:09:13 | approved |
| S5-226394 | 17/11/2022 13:11:44 | approved |
| S5-226395 | 17/11/2022 13:11:10 | approved |
| S5-226396 | 16/11/2022 11:30:48 | revised |
| S5-226397 | 17/11/2022 13:11:14 | approved |
| S5-226398 | 18/11/2022 14:51:07 | approved |
| S5-226399 | 14/11/2022 10:52:58 | revised |
| S5-226402 | 15/11/2022 17:58:54 | revised |
| S5-226403 | 17/11/2022 10:07:31 | approved |
| S5-226404 | 16/11/2022 13:03:21 | agreed |
| S5-226405 | 16/11/2022 13:03:23 | agreed |
| S5-226406 | 11/11/2022 18:01:37 | revised |
| S5-226407 | 17/11/2022 10:07:42 | approved |
| S5-226408 | 17/11/2022 08:09:34 | revised |
| S5-226409 | 17/11/2022 10:07:29 | approved |
| S5-226410 | 16/11/2022 13:31:00 | revised |
| S5-226411 | 17/11/2022 08:39:59 | revised |
| S5-226412 | 15/11/2022 17:15:34 | revised |
| S5-226413 | 15/11/2022 17:19:28 | approved |
| S5-226413 | 15/11/2022 17:30:47 | revised |
| S5-226414 | 15/11/2022 17:41:28 | revised |
| S5-226415 | 15/11/2022 17:44:07 | revised |
| S5-226416 | 15/11/2022 17:44:13 | revised |
| S5-226417 | 15/11/2022 17:48:06 | revised |
| S5-226418 | 11/11/2022 18:03:00 | revised |
| S5-226419 | 17/11/2022 16:02:12 | not pursued |
| S5-226420 | 17/11/2022 16:02:20 | not pursued |
| S5-226421 | 17/11/2022 16:02:43 | agreed |
| S5-226422 | 17/11/2022 16:13:34 | revised |
| S5-226423 | 17/11/2022 16:15:51 | revised |
| S5-226424 | 17/11/2022 16:19:02 | revised |
| S5-226425 | 16/11/2022 08:51:46 | revised |
| S5-226426 | 16/11/2022 08:56:35 | revised |
| S5-226427 | 20/11/2022 12:29:56 | available |
| S5-226428 | 20/11/2022 12:35:34 | merged |
| S5-226429 | 20/11/2022 11:48:39 | revised |
| S5-226430 | 20/11/2022 12:48:48 | not pursued |
| S5-226431 | 20/11/2022 11:50:22 | revised |
| S5-226432 | 20/11/2022 12:49:42 | not pursued |
| S5-226433 | 20/11/2022 12:49:55 | approved |
| S5-226434 | 20/11/2022 11:51:22 | revised |
| S5-226435 | 16/11/2022 10:29:28 | revised |
| S5-226436 | 16/11/2022 10:29:56 | not pursued |
| S5-226437 | 16/11/2022 10:30:17 | approved |
| S5-226438 | 16/11/2022 10:30:41 | revised |
| S5-226439 | 16/11/2022 10:34:27 | revised |
| S5-226440 | 16/11/2022 10:35:34 | revised |
| S5-226440 | 16/11/2022 10:37:17 | available |
| S5-226440 | 16/11/2022 10:38:17 | revised |
| S5-226441 | 16/11/2022 10:36:33 | revised |
| S5-226441 | 16/11/2022 10:38:38 | available |
| S5-226441 | 16/11/2022 10:39:03 | revised |
| S5-226442 | 16/11/2022 10:45:18 | revised |
| S5-226443 | 16/11/2022 12:09:46 | revised |
| S5-226444 | 16/11/2022 12:10:34 | revised |
| S5-226445 | 16/11/2022 12:11:03 | revised |
| S5-226446 | 16/11/2022 12:11:31 | not pursued |
| S5-226447 | 16/11/2022 12:12:03 | noted |
| S5-226448 | 16/11/2022 13:36:29 | revised |
| S5-226449 | 18/11/2022 10:17:10 | not pursued |
| S5-226450 | 16/11/2022 13:17:27 | revised |
| S5-226451 | 18/11/2022 10:17:14 | not pursued |
| S5-226452 | 18/11/2022 10:17:20 | not pursued |
| S5-226453 | 15/11/2022 17:49:12 | approved |
| S5-226454 | 18/11/2022 11:33:51 | revised |
| S5-226455 | 18/11/2022 15:26:56 | not pursued |
| S5-226456 | 18/11/2022 15:27:01 | approved |
| S5-226457 | 18/11/2022 08:05:08 | revised |
| S5-226458 | 17/11/2022 10:56:49 | approved |
| S5-226459 | 17/11/2022 14:51:59 | revised |
| S5-226460 | 15/11/2022 14:44:28 | revised |
| S5-226461 | 15/11/2022 17:45:08 | revised |
| S5-226462 | 17/11/2022 16:03:09 | agreed |
| S5-226463 | 17/11/2022 16:11:33 | not pursued |
| S5-226464 | 17/11/2022 16:11:47 | agreed |
| S5-226465 | 17/11/2022 16:12:04 | agreed |
| S5-226466 | 20/11/2022 11:27:30 | revised |
| S5-226467 | 20/11/2022 11:28:20 | revised |
| S5-226468 | 20/11/2022 11:29:13 | revised |
| S5-226469 | 20/11/2022 11:32:08 | revised |
| S5-226470 | 20/11/2022 13:13:24 | noted |
| S5-226471 | 20/11/2022 12:04:23 | revised |
| S5-226472 | 20/11/2022 12:05:01 | revised |
| S5-226473 | 20/11/2022 12:05:56 | revised |
| S5-226474 | 20/11/2022 13:13:58 | noted |
| S5-226475 | 17/11/2022 16:20:33 | agreed |
| S5-226476 | 17/11/2022 16:20:35 | agreed |
| S5-226477 | 17/11/2022 16:20:37 | agreed |
| S5-226478 | 20/11/2022 11:34:52 | revised |
| S5-226479 | 17/11/2022 16:48:26 | revised |
| S5-226480 | 17/11/2022 16:50:07 | revised |
| S5-226481 | 20/11/2022 13:16:03 | not pursued |
| S5-226482 | 20/11/2022 13:16:11 | not pursued |
| S5-226483 | 20/11/2022 12:08:20 | revised |
| S5-226484 | 20/11/2022 12:09:38 | revised |
| S5-226485 | 20/11/2022 13:31:29 | available |
| S5-226486 | 20/11/2022 13:31:44 | not pursued |
| S5-226487 | 20/11/2022 14:03:17 | not pursued |
| S5-226488 | 20/11/2022 11:44:42 | revised |
| S5-226489 | 20/11/2022 11:47:31 | revised |
| S5-226490 | 20/11/2022 11:45:15 | revised |
| S5-226491 | 20/11/2022 11:52:11 | revised |
| S5-226492 | 20/11/2022 11:52:59 | revised |
| S5-226493 | 20/11/2022 11:54:06 | revised |
| S5-226494 | 20/11/2022 11:54:51 | revised |
| S5-226495 | 20/11/2022 11:55:20 | revised |
| S5-226496 | 20/11/2022 11:57:30 | revised |
| S5-226497 | 20/11/2022 11:58:06 | revised |
| S5-226498 | 20/11/2022 12:57:18 | not pursued |
| S5-226499 | 16/11/2022 12:13:35 | revised |
| S5-226500 | 16/11/2022 12:14:10 | revised |
| S5-226501 | 16/11/2022 12:14:59 | revised |
| S5-226502 | 16/11/2022 14:55:21 | revised |
| S5-226503 | 16/11/2022 15:00:51 | revised |
| S5-226504 | 16/11/2022 14:56:56 | approved |
| S5-226505 | 16/11/2022 14:57:19 | approved |
| S5-226506 | 16/11/2022 14:57:54 | approved |
| S5-226507 | 16/11/2022 16:03:28 | revised |
| S5-226509 | 17/11/2022 09:06:45 | not pursued |
| S5-226509 | 17/11/2022 09:07:04 | postponed |
| S5-226509 | 23/11/2022 13:00:15 | noted |
| S5-226511 | 17/11/2022 09:10:05 | revised |
| S5-226512 | 17/11/2022 09:22:02 | revised |
| S5-226514 | 17/11/2022 17:38:54 | revised |
| S5-226514 | 28/11/2022 09:30:52 | noted |
| S5-226515 | 17/11/2022 09:33:49 | revised |
| S5-226516 | 18/11/2022 13:33:29 | withdrawn |
| S5-226517 | 12/11/2022 17:00:13 | withdrawn |
| S5-226518 | 16/11/2022 10:30:57 | revised |
| S5-226519 | 11/11/2022 18:04:24 | revised |
| S5-226520 | 15/11/2022 11:00:45 | revised |
| S5-226520 | 28/11/2022 09:11:09 | noted |
| S5-226521 | 11/11/2022 18:05:09 | revised |
| S5-226522 | 11/11/2022 18:05:41 | revised |
| S5-226523 | 15/11/2022 11:07:42 | available |
| S5-226523 | 23/11/2022 13:00:27 | noted |
| S5-226524 | 17/11/2022 09:37:55 | revised |
| S5-226525 | 14/11/2022 08:54:14 | revised |
| S5-226527 | 17/11/2022 11:16:46 | approved |
| S5-226528 | 17/11/2022 11:17:51 | revised |
| S5-226529 | 18/11/2022 13:40:48 | not concluded |
| S5-226529 | 18/11/2022 13:40:51 | not pursued |
| S5-226530 | 11/11/2022 18:06:44 | revised |
| S5-226531 | 16/11/2022 08:35:44 | available |
| S5-226531 | 18/11/2022 14:30:42 | not pursued |
| S5-226532 | 16/11/2022 08:45:52 | revised |
| S5-226533 | 16/11/2022 08:44:44 | noted |
| S5-226534 | 15/11/2022 14:38:43 | revised |
| S5-226535 | 11/11/2022 18:07:32 | revised |
| S5-226536 | 11/11/2022 18:08:24 | revised |
| S5-226537 | 15/11/2022 14:51:13 | revised |
| S5-226538 | 17/11/2022 09:28:15 | revised |
| S5-226539 | 15/11/2022 10:09:52 | revised |
| S5-226540 | 17/11/2022 07:42:14 | revised |
| S5-226540 | 17/11/2022 07:42:31 | available |
| S5-226540 | 18/11/2022 13:44:52 | not pursued |
| S5-226541 | 15/11/2022 14:59:57 | revised |
| S5-226542 | 15/11/2022 15:35:35 | agreed |
| S5-226543 | 17/11/2022 08:15:53 | revised |
| S5-226544 | 15/11/2022 18:06:59 | revised |
| S5-226544 | 28/11/2022 09:11:32 | noted |
| S5-226545 | 15/11/2022 14:34:33 | revised |
| S5-226546 | 15/11/2022 14:34:54 | revised |
| S5-226547 | 14/11/2022 09:41:14 | approved |
| S5-226548 | 14/11/2022 16:47:55 | revised |
| S5-226549 | 16/11/2022 18:14:16 | revised |
| S5-226550 | 11/11/2022 16:47:40 | not treated |
| S5-226550 | 16/11/2022 18:14:29 | withdrawn |
| S5-226551 | 16/11/2022 18:22:24 | revised |
| S5-226552 | 17/11/2022 09:34:50 | revised |
| S5-226553 | 16/11/2022 13:25:11 | revised |
| S5-226555 | 18/11/2022 15:09:59 | approved |
| S5-226556 | 16/11/2022 18:25:25 | approved |
| S5-226557 | 16/11/2022 08:57:32 | revised |
| S5-226558 | 16/11/2022 13:27:30 | approved |
| S5-226560 | 16/11/2022 09:03:36 | revised |
| S5-226562 | 17/11/2022 11:25:54 | approved |
| S5-226562 | 18/11/2022 15:09:17 | not pursued |
| S5-226563 | 17/11/2022 11:26:50 | approved |
| S5-226563 | 18/11/2022 15:09:21 | not pursued |
| S5-226564 | 17/11/2022 11:27:40 | approved |
| S5-226564 | 17/11/2022 13:04:53 | revised |
| S5-226565 | 20/11/2022 11:59:25 | revised |
| S5-226566 | 20/11/2022 11:59:55 | revised |
| S5-226567 | 11/11/2022 18:09:30 | revised |
| S5-226568 | 15/11/2022 16:34:14 | agreed |
| S5-226569 | 20/11/2022 12:02:18 | revised |
| S5-226570 | 17/11/2022 15:05:04 | revised |
| S5-226571 | 11/11/2022 18:10:20 | revised |
| S5-226572 | 11/11/2022 18:11:01 | revised |
| S5-226573 | 11/11/2022 18:11:48 | revised |
| S5-226574 | 11/11/2022 18:12:19 | revised |
| S5-226575 | 11/11/2022 18:13:48 | revised |
| S5-226576 | 11/11/2022 18:14:53 | revised |
| S5-226577 | 16/11/2022 09:11:54 | revised |
| S5-226578 | 16/11/2022 09:11:15 | revised |
| S5-226579 | 17/11/2022 07:45:37 | revised |
| S5-226579 | 28/11/2022 09:29:02 | noted |
| S5-226580 | 17/11/2022 07:55:48 | revised |
| S5-226581 | 17/11/2022 08:01:05 | available |
| S5-226582 | 11/11/2022 19:01:42 | not pursued |
| S5-226582 | 15/11/2022 15:51:25 | revised |
| S5-226582 | 15/11/2022 15:51:36 | not pursued |
| S5-226583 | 15/11/2022 16:24:31 | revised |
| S5-226584 | 15/11/2022 07:57:55 | agreed |
| S5-226585 | 15/11/2022 08:00:01 | revised |
| S5-226586 | 15/11/2022 08:01:16 | agreed |
| S5-226587 | 16/11/2022 12:59:25 | agreed |
| S5-226587 | 16/11/2022 12:59:56 | available |
| S5-226587 | 18/11/2022 11:13:50 | agreed |
| S5-226588 | 18/11/2022 11:14:03 | agreed |
| S5-226589 | 18/11/2022 11:14:13 | agreed |
| S5-226590 | 18/11/2022 11:15:52 | not pursued |
| S5-226591 | 18/11/2022 11:15:46 | not pursued |
| S5-226592 | 18/11/2022 11:15:41 | not pursued |
| S5-226593 | 17/11/2022 09:15:59 | revised |
| S5-226594 | 17/11/2022 09:15:48 | revised |
| S5-226595 | 17/11/2022 09:14:42 | revised |
| S5-226595 | 17/11/2022 09:15:15 | available |
| S5-226595 | 17/11/2022 09:15:24 | revised |
| S5-226596 | 15/11/2022 08:21:06 | revised |
| S5-226597 | 15/11/2022 08:20:43 | revised |
| S5-226598 | 15/11/2022 08:20:19 | revised |
| S5-226599 | 15/11/2022 08:28:45 | revised |
| S5-226600 | 15/11/2022 08:29:28 | revised |
| S5-226601 | 18/11/2022 11:22:54 | not pursued |
| S5-226602 | 18/11/2022 11:23:08 | not pursued |
| S5-226603 | 18/11/2022 11:23:13 | not pursued |
| S5-226604 | 18/11/2022 11:23:21 | not pursued |
| S5-226605 | 18/11/2022 11:23:27 | not pursued |
| S5-226606 | 14/11/2022 17:16:06 | revised |
| S5-226607 | 14/11/2022 17:16:57 | agreed |
| S5-226608 | 18/11/2022 10:46:38 | not pursued |
| S5-226609 | 17/11/2022 15:53:23 | revised |
| S5-226610 | 16/11/2022 16:45:51 | revised |
| S5-226611 | 16/11/2022 14:23:11 | revised |
| S5-226612 | 16/11/2022 14:34:40 | available |
| S5-226612 | 16/11/2022 14:35:03 | revised |
| S5-226613 | 18/11/2022 13:02:13 | not pursued |
| S5-226614 | 11/11/2022 18:15:48 | revised |
| S5-226615 | 15/11/2022 10:23:24 | revised |
| S5-226616 | 18/11/2022 14:55:52 | approved |
| S5-226617 | 15/11/2022 16:35:22 | agreed |
| S5-226618 | 15/11/2022 16:39:35 | agreed |
| S5-226619 | 15/11/2022 16:48:07 | available |
| S5-226620 | 15/11/2022 16:39:36 | agreed |
| S5-226621 | 15/11/2022 16:51:43 | revised |
| S5-226622 | 14/11/2022 09:38:28 | revised |
| S5-226623 | 14/11/2022 16:49:48 | agreed |
| S5-226624 | 17/11/2022 08:51:17 | revised |
| S5-226624 | 28/11/2022 09:29:23 | noted |
| S5-226625 | 18/11/2022 10:27:57 | agreed |
| S5-226626 | 17/11/2022 13:28:24 | revised |
| S5-226626 | 28/11/2022 09:30:03 | noted |
| S5-226627 | 16/11/2022 13:07:47 | approved |
| S5-226627 | 16/11/2022 13:08:25 | agreed |
| S5-226627 | 20/11/2022 17:37:04 | revised |
| S5-226628 | 16/11/2022 13:09:04 | approved |
| S5-226629 | 17/11/2022 11:15:45 | revised |
| S5-226629 | 28/11/2022 09:29:54 | noted |
| S5-226630 | 18/11/2022 13:05:59 | not pursued |
| S5-226631 | 11/11/2022 18:16:58 | revised |
| S5-226632 | 11/11/2022 18:18:08 | revised |
| S5-226633 | 16/11/2022 17:45:22 | revised |
| S5-226634 | 17/11/2022 11:01:21 | revised |
| S5-226635 | 17/11/2022 14:52:21 | revised |
| S5-226636 | 17/11/2022 14:43:46 | revised |
| S5-226637 | 17/11/2022 13:34:27 | revised |
| S5-226637 | 28/11/2022 09:30:17 | noted |
| S5-226638 | 11/11/2022 18:19:06 | revised |
| S5-226639 | 18/11/2022 14:31:15 | not pursued |
| S5-226640 | 15/11/2022 14:53:00 | revised |
| S5-226641 | 11/11/2022 18:19:58 | revised |
| S5-226642 | 16/11/2022 12:51:20 | agreed |
| S5-226643 | 16/11/2022 12:51:26 | agreed |
| S5-226644 | 16/11/2022 12:51:27 | agreed |
| S5-226645 | 20/11/2022 13:34:50 | not pursued |
| S5-226646 | 18/11/2022 08:31:58 | postponed |
| S5-226647 | 14/11/2022 08:38:52 | noted |
| S5-226648 | 18/11/2022 08:40:14 | noted |
| S5-226649 | 14/11/2022 09:10:54 | noted |
| S5-226650 | 18/11/2022 13:13:24 | agreed |
| S5-226651 | 18/11/2022 13:14:05 | agreed |
| S5-226652 | 18/11/2022 11:23:40 | agreed |
| S5-226653 | 18/11/2022 13:14:57 | agreed |
| S5-226654 | 18/11/2022 13:16:32 | revised |
| S5-226655 | 18/11/2022 13:17:15 | revised |
| S5-226656 | 18/11/2022 14:29:21 | withdrawn |
| S5-226657 | 18/11/2022 14:36:11 | revised |
| S5-226658 | 18/11/2022 14:34:41 | withdrawn |
| S5-226659 | 17/11/2022 15:55:33 | not pursued |
| S5-226659 | 17/11/2022 16:01:08 | withdrawn |
| S5-226660 | 18/11/2022 13:58:28 | revised |
| S5-226661 | 18/11/2022 14:00:00 | revised |
| S5-226662 | 18/11/2022 13:55:38 | not pursued |
| S5-226663 | 18/11/2022 14:30:24 | not pursued |
| S5-226664 | 18/11/2022 14:37:20 | agreed |
| S5-226665 | 18/11/2022 14:04:23 | revised |
| S5-226666 | 18/11/2022 13:08:15 | withdrawn |
| S5-226667 | 17/11/2022 17:14:47 | revised |
| S5-226668 | 17/11/2022 17:15:09 | revised |
| S5-226669 | 17/11/2022 17:16:12 | revised |
| S5-226670 | 17/11/2022 17:19:08 | revised |
| S5-226671 | 18/11/2022 13:41:40 | agreed |
| S5-226672 | 18/11/2022 13:41:12 | agreed |
| S5-226673 | 16/11/2022 12:50:09 | withdrawn |
| S5-226673 | 17/11/2022 17:28:41 | reserved |
| S5-226673 | 18/11/2022 10:27:03 | not pursued |
| S5-226674 | 18/11/2022 13:35:08 | not pursued |
| S5-226675 | 18/11/2022 13:35:15 | withdrawn |
| S5-226676 | 18/11/2022 13:23:01 | not pursued |
| S5-226677 | 18/11/2022 10:35:23 | withdrawn |
| S5-226678 | 15/11/2022 13:43:04 | reserved |
| S5-226678 | 21/11/2022 13:24:40 | revised |
| S5-226679 | 20/11/2022 12:57:32 | reserved |
| S5-226679 | 30/11/2022 17:23:03 | approved |
| S5-226680 | 20/11/2022 13:01:32 | reserved |
| S5-226680 | 30/11/2022 17:23:08 | approved |
| S5-226681 | 20/11/2022 13:03:24 | reserved |
| S5-226681 | 30/11/2022 09:18:11 | approved |
| S5-226682 | 20/11/2022 13:04:25 | reserved |
| S5-226682 | 30/11/2022 17:23:14 | approved |
| S5-226683 | 21/11/2022 13:35:34 | agreed |
| S5-226684 | 21/11/2022 13:35:38 | approved |
| S5-226684 | 21/11/2022 13:35:40 | agreed |
| S5-226685 | 20/11/2022 19:33:26 | approved |
| S5-226685 | 20/11/2022 19:34:23 | available |
| S5-226685 | 21/11/2022 19:12:17 | approved |
| S5-226686 | 21/11/2022 19:14:01 | endorsed |
| S5-226687 | 20/11/2022 15:04:58 | withdrawn |
| S5-226687 | 21/11/2022 10:28:18 | reserved |
| S5-226687 | 21/11/2022 10:28:20 | available |
| S5-226687 | 21/11/2022 19:14:30 | agreed |
| S5-226688 | 21/11/2022 19:14:52 | agreed |
| S5-226689 | 21/11/2022 19:15:23 | agreed |
| S5-226690 | 21/11/2022 19:16:33 | agreed |
| S5-226691 | 21/11/2022 13:36:01 | agreed |
| S5-226692 | 21/11/2022 13:36:07 | agreed |
| S5-226693 | 21/11/2022 19:17:54 | approved |
| S5-226694 | 21/11/2022 19:24:03 | approved |
| S5-226695 | 21/11/2022 19:24:21 | approved |
| S5-226696 | 21/11/2022 19:24:42 | approved |
| S5-226697 | 21/11/2022 19:24:52 | approved |
| S5-226698 | 21/11/2022 19:25:22 | approved |
| S5-226699 | 21/11/2022 19:25:35 | approved |
| S5-226700 | 21/11/2022 19:25:53 | approved |
| S5-226701 | 21/11/2022 19:26:11 | approved |
| S5-226702 | 21/11/2022 19:26:15 | approved |
| S5-226703 | 21/11/2022 19:26:25 | approved |
| S5-226704 | 21/11/2022 19:26:26 | approved |
| S5-226705 | 21/11/2022 19:27:44 | approved |
| S5-226706 | 21/11/2022 19:28:04 | approved |
| S5-226707 | 21/11/2022 19:28:10 | approved |
| S5-226708 | 21/11/2022 19:31:18 | approved |
| S5-226709 | 21/11/2022 19:31:40 | approved |
| S5-226710 | 21/11/2022 19:31:56 | approved |
| S5-226711 | 20/11/2022 14:46:54 | withdrawn |
| S5-226711 | 21/11/2022 10:27:53 | available |
| S5-226711 | 21/11/2022 13:36:21 | agreed |
| S5-226712 | 20/11/2022 14:47:04 | withdrawn |
| S5-226712 | 21/11/2022 10:27:43 | available |
| S5-226712 | 21/11/2022 13:36:27 | agreed |
| S5-226713 | 20/11/2022 14:47:15 | withdrawn |
| S5-226713 | 21/11/2022 10:27:35 | available |
| S5-226713 | 21/11/2022 13:36:29 | agreed |
| S5-226714 | 20/11/2022 14:47:17 | withdrawn |
| S5-226714 | 21/11/2022 10:27:21 | available |
| S5-226714 | 21/11/2022 13:36:34 | agreed |
| S5-226715 | 20/11/2022 14:48:25 | agreed |
| S5-226716 | 21/11/2022 13:36:52 | agreed |
| S5-226717 | 21/11/2022 13:36:56 | agreed |
| S5-226718 | 21/11/2022 13:37:19 | agreed |
| S5-226719 | 21/11/2022 13:37:05 | agreed |
| S5-226720 | 21/11/2022 13:37:33 | agreed |
| S5-226721 | 21/11/2022 13:37:39 | agreed |
| S5-226722 | 21/11/2022 13:37:53 | agreed |
| S5-226723 | 21/11/2022 13:38:14 | agreed |
| S5-226724 | 21/11/2022 13:38:19 | agreed |
| S5-226725 | 21/11/2022 13:38:06 | agreed |
| S5-226726 | 21/11/2022 14:17:27 | agreed |
| S5-226727 | 21/11/2022 14:17:30 | agreed |
| S5-226728 | 14/11/2022 12:03:25 | noted |
| S5-226729 | 18/11/2022 08:07:28 | approved |
| S5-226729 | 18/11/2022 08:14:05 | revised |
| S5-226730 | 15/11/2022 16:26:18 | withdrawn |
| S5-226731 | 18/11/2022 08:28:22 | revised |
| S5-226732 | 18/11/2022 08:47:11 | revised |
| S5-226733 | 18/11/2022 08:44:33 | revised |
| S5-226734 | 18/11/2022 08:53:41 | not pursued |
| S5-226735 | 16/11/2022 12:39:53 | agreed |
| S5-226736 | 18/11/2022 09:02:04 | revised |
| S5-226737 | 18/11/2022 12:59:29 | not pursued |
| S5-226737 | 18/11/2022 12:59:37 | revised |
| S5-226737 | 18/11/2022 13:00:57 | not pursued |
| S5-226738 | 18/11/2022 13:03:54 | withdrawn |
| S5-226739 | 18/11/2022 13:05:20 | withdrawn |
| S5-226740 | 18/11/2022 09:05:42 | agreed |
| S5-226741 | 18/11/2022 15:48:22 | revised |
| S5-226742 | 18/11/2022 15:48:42 | revised |
| S5-226743 | 18/11/2022 09:14:33 | withdrawn |
| S5-226744 | 18/11/2022 09:26:32 | revised |
| S5-226745 | 18/11/2022 09:15:27 | withdrawn |
| S5-226746 | 18/11/2022 09:18:39 | agreed |
| S5-226747 | 18/11/2022 09:18:47 | agreed |
| S5-226748 | 18/11/2022 09:18:52 | agreed |
| S5-226749 | 18/11/2022 09:18:56 | agreed |
| S5-226750 | 18/11/2022 09:18:59 | agreed |
| S5-226751 | 18/11/2022 09:19:02 | agreed |
| S5-226752 | 18/11/2022 09:19:05 | agreed |
| S5-226753 | 18/11/2022 09:19:07 | agreed |
| S5-226754 | 18/11/2022 09:22:30 | withdrawn |
| S5-226755 | 18/11/2022 09:24:25 | not pursued |
| S5-226756 | 18/11/2022 09:27:24 | agreed |
| S5-226757 | 18/11/2022 09:27:46 | agreed |
| S5-226758 | 18/11/2022 09:29:14 | revised |
| S5-226759 | 18/11/2022 09:31:25 | agreed |
| S5-226760 | 18/11/2022 09:31:49 | agreed |
| S5-226761 | 18/11/2022 10:05:32 | agreed |
| S5-226762 | 18/11/2022 10:05:44 | agreed |
| S5-226763 | 18/11/2022 10:06:47 | agreed |
| S5-226764 | 18/11/2022 10:06:51 | agreed |
| S5-226765 | 18/11/2022 10:07:18 | agreed |
| S5-226766 | 18/11/2022 10:07:55 | agreed |
| S5-226767 | 18/11/2022 10:07:59 | agreed |
| S5-226768 | 18/11/2022 10:08:45 | agreed |
| S5-226769 | 18/11/2022 10:08:52 | agreed |
| S5-226769 | 18/11/2022 10:10:52 | revised |
| S5-226770 | 18/11/2022 10:11:20 | revised |
| S5-226771 | 14/11/2022 15:52:47 | reserved |
| S5-226771 | 14/11/2022 15:53:30 | merged |
| S5-226771 | 18/11/2022 10:28:33 | agreed |
| S5-226772 | 18/11/2022 10:50:07 | revised |
| S5-226773 | 18/11/2022 10:51:10 | revised |
| S5-226774 | 18/11/2022 10:51:51 | revised |
| S5-226775 | 18/11/2022 10:29:48 | withdrawn |
| S5-226776 | 18/11/2022 11:31:26 | revised |
| S5-226777 | 18/11/2022 10:33:30 | not pursued |
| S5-226778 | 18/11/2022 10:33:40 | not pursued |
| S5-226779 | 18/11/2022 10:33:49 | agreed |
| S5-226780 | 18/11/2022 16:05:39 | withdrawn |
| S5-226781 | 18/11/2022 10:40:39 | revised |
| S5-226782 | 18/11/2022 16:06:20 | withdrawn |
| S5-226783 | 18/11/2022 14:27:24 | revised |
| S5-226784 | 18/11/2022 10:44:55 | agreed |
| S5-226785 | 18/11/2022 10:56:06 | not pursued |
| S5-226786 | 18/11/2022 10:56:19 | not pursued |
| S5-226787 | 18/11/2022 10:03:15 | revised |
| S5-226788 | 18/11/2022 10:03:56 | revised |
| S5-226789 | 18/11/2022 10:04:08 | revised |
| S5-226790 | 18/11/2022 11:10:43 | agreed |
| S5-226791 | 18/11/2022 11:19:17 | agreed |
| S5-226792 | 18/11/2022 11:19:50 | agreed |
| S5-226793 | 18/11/2022 11:19:56 | agreed |
| S5-226794 | 18/11/2022 11:21:25 | agreed |
| S5-226795 | 18/11/2022 11:21:22 | agreed |
| S5-226796 | 15/11/2022 08:45:10 | agreed |
| S5-226797 | 18/11/2022 16:10:46 | withdrawn |
| S5-226798 | 18/11/2022 11:27:09 | agreed |
| S5-226799 | 18/11/2022 11:26:34 | agreed |
| S5-226800 | 18/11/2022 11:27:22 | agreed |
| S5-226801 | 18/11/2022 11:29:31 | revised |
| S5-226802 | 18/11/2022 11:30:14 | revised |
| S5-226803 | 18/11/2022 12:40:40 | agreed |
| S5-226804 | 18/11/2022 12:44:32 | revised |
| S5-226805 | 18/11/2022 12:46:18 | revised |
| S5-226806 | 18/11/2022 14:25:52 | agreed |
| S5-226807 | 18/11/2022 12:48:45 | approved |
| S5-226807 | 18/11/2022 13:01:41 | available |
| S5-226807 | 18/11/2022 16:14:10 | agreed |
| S5-226807 | 18/11/2022 16:14:12 | approved |
| S5-226808 | 18/11/2022 12:32:39 | approved |
| S5-226809 | 18/11/2022 12:33:46 | approved |
| S5-226810 | 18/11/2022 12:53:12 | not pursued |
| S5-226811 | 18/11/2022 16:14:37 | approved |
| S5-226812 | 18/11/2022 13:24:20 | withdrawn |
| S5-226813 | 18/11/2022 13:26:39 | agreed |
| S5-226814 | 18/11/2022 13:30:20 | revised |
| S5-226815 | 18/11/2022 13:13:43 | agreed |
| S5-226816 | 18/11/2022 13:33:01 | not pursued |
| S5-226817 | 18/11/2022 16:24:42 | withdrawn |
| S5-226818 | 18/11/2022 13:19:05 | withdrawn |
| S5-226819 | 18/11/2022 13:22:01 | noted |
| S5-226820 | 18/11/2022 13:22:29 | not pursued |
| S5-226821 | 18/11/2022 13:20:10 | not pursued |
| S5-226822 | 18/11/2022 13:23:14 | not pursued |
| S5-226823 | 18/11/2022 13:23:58 | approved |
| S5-226824 | 15/11/2022 15:40:34 | agreed |
| S5-226825 | 18/11/2022 10:13:19 | revised |
| S5-226826 | 18/11/2022 10:13:41 | revised |
| S5-226827 | 18/11/2022 13:07:45 | not pursued |
| S5-226828 | 18/11/2022 13:07:58 | withdrawn |
| S5-226829 | 18/11/2022 13:09:12 | not pursued |
| S5-226830 | 15/11/2022 16:52:39 | reserved |
| S5-226831 | 18/11/2022 11:32:19 | revised |
| S5-226832 | 18/11/2022 15:10:09 | approved |
| S5-226833 | 18/11/2022 15:10:15 | approved |
| S5-226834 | 18/11/2022 15:10:21 | approved |
| S5-226835 | 18/11/2022 15:10:26 | approved |
| S5-226836 | 18/11/2022 15:10:30 | approved |
| S5-226837 | 18/11/2022 15:10:33 | approved |
| S5-226838 | 18/11/2022 15:10:37 | approved |
| S5-226839 | 18/11/2022 13:42:20 | agreed |
| S5-226840 | 18/11/2022 13:50:07 | withdrawn |
| S5-226841 | 18/11/2022 13:50:38 | withdrawn |
| S5-226842 | 18/11/2022 13:51:46 | revised |
| S5-226843 | 21/11/2022 14:17:44 | agreed |
| S5-226844 | 21/11/2022 14:17:47 | agreed |
| S5-226845 | 21/11/2022 14:18:02 | agreed |
| S5-226846 | 21/11/2022 14:18:06 | agreed |
| S5-226847 | 21/11/2022 19:02:47 | agreed |
| S5-226848 | 21/11/2022 19:18:38 | approved |
| S5-226849 | 21/11/2022 19:18:55 | approved |
| S5-226850 | 21/11/2022 19:19:14 | approved |
| S5-226851 | 21/11/2022 19:19:29 | approved |
| S5-226852 | 21/11/2022 19:19:50 | approved |
| S5-226853 | 21/11/2022 19:20:15 | approved |
| S5-226854 | 21/11/2022 19:20:26 | approved |
| S5-226855 | 21/11/2022 19:20:56 | approved |
| S5-226856 | 21/11/2022 19:21:12 | approved |
| S5-226857 | 21/11/2022 19:21:29 | approved |
| S5-226858 | 21/11/2022 19:21:38 | approved |
| S5-226859 | 21/11/2022 19:22:04 | approved |
| S5-226860 | 21/11/2022 19:22:46 | approved |
| S5-226861 | 21/11/2022 19:23:08 | approved |
| S5-226862 | 21/11/2022 19:23:18 | approved |
| S5-226863 | 21/11/2022 19:23:29 | approved |
| S5-226864 | 21/11/2022 19:23:44 | approved |
| S5-226865 | 21/11/2022 19:03:06 | agreed |
| S5-226866 | 21/11/2022 19:03:27 | agreed |
| S5-226867 | 21/11/2022 19:03:40 | agreed |
| S5-226868 | 21/11/2022 14:18:22 | agreed |
| S5-226869 | 21/11/2022 19:04:12 | agreed |
| S5-226870 | 21/11/2022 19:05:00 | agreed |
| S5-226871 | 21/11/2022 19:06:22 | agreed |
| S5-226872 | 21/11/2022 19:06:34 | agreed |
| S5-226873 | 21/11/2022 19:06:49 | agreed |
| S5-226874 | 30/11/2022 09:18:32 | approved |
| S5-226875 | 30/11/2022 17:22:46 | approved |
| S5-226876 | 30/11/2022 17:22:51 | approved |
| S5-226877 | 30/11/2022 15:21:57 | approved |
| S5-226878 | 30/11/2022 14:42:07 | approved |
| S5-226879 | 30/11/2022 09:30:45 | approved |
| S5-226880 | 30/11/2022 09:21:30 | approved |
| S5-226881 | 30/11/2022 14:41:52 | approved |
| S5-226882 | 30/11/2022 14:35:52 | approved |
| S5-226883 | 30/11/2022 09:20:38 | approved |
| S5-226884 | 30/11/2022 16:09:20 | approved |
| S5-226885 | 30/11/2022 09:31:05 | approved |
| S5-226886 | 30/11/2022 08:55:31 | noted |
| S5-226887 | 30/11/2022 14:36:55 | approved |
| S5-226888 | 30/11/2022 14:34:37 | approved |
| S5-226889 | 30/11/2022 16:12:01 | approved |
| S5-226890 | 30/11/2022 09:17:56 | approved |
| S5-226891 | 30/11/2022 09:30:07 | approved |
| S5-226892 | 30/11/2022 14:36:11 | approved |
| S5-226893 | 18/11/2022 13:27:32 | not pursued |
| S5-226894 | 18/11/2022 14:28:27 | withdrawn |
| S5-226895 | 18/11/2022 14:30:53 | withdrawn |
| S5-226896 | 18/11/2022 14:31:02 | withdrawn |
| S5-226897 | 18/11/2022 14:32:05 | not pursued |
| S5-226897 | 18/11/2022 14:33:34 | agreed |
| S5-226898 | 18/11/2022 14:32:14 | not pursued |
| S5-226898 | 18/11/2022 14:33:44 | agreed |
| S5-226899 | 18/11/2022 16:27:23 | withdrawn |
| S5-226900 | 18/11/2022 14:41:17 | approved |
| S5-226900 | 18/11/2022 14:42:31 | not pursued |
| S5-226901 | 18/11/2022 14:46:26 | approved |
| S5-226902 | 18/11/2022 14:46:32 | approved |
| S5-226903 | 18/11/2022 14:46:39 | approved |
| S5-226904 | 16/11/2022 10:23:32 | approved |
| S5-226905 | 18/11/2022 14:46:50 | approved |
| S5-226906 | 18/11/2022 14:47:21 | withdrawn |
| S5-226907 | 18/11/2022 16:29:16 | approved |
| S5-226908 | 18/11/2022 16:29:59 | not pursued |
| S5-226909 | 18/11/2022 14:49:05 | not pursued |
| S5-226910 | 18/11/2022 14:50:05 | not pursued |
| S5-226911 | 18/11/2022 14:50:53 | approved |
| S5-226912 | 18/11/2022 14:51:01 | approved |
| S5-226913 | 18/11/2022 14:41:24 | approved |
| S5-226913 | 18/11/2022 14:46:08 | not pursued |
| S5-226914 | 18/11/2022 14:41:53 | not pursued |
| S5-226915 | 18/11/2022 13:28:20 | agreed |
| S5-226916 | 18/11/2022 16:30:48 | approved |
| S5-226917 | 18/11/2022 14:55:25 | approved |
| S5-226918 | 18/11/2022 14:55:31 | approved |
| S5-226919 | 18/11/2022 14:56:11 | approved |
| S5-226920 | 18/11/2022 14:56:16 | approved |
| S5-226921 | 18/11/2022 14:56:20 | approved |
| S5-226922 | 18/11/2022 14:56:57 | withdrawn |
| S5-226923 | 18/11/2022 14:58:30 | withdrawn |
| S5-226924 | 18/11/2022 14:59:19 | approved |
| S5-226925 | 18/11/2022 10:54:24 | agreed |
| S5-226926 | 18/11/2022 10:54:40 | agreed |
| S5-226927 | 18/11/2022 14:59:33 | approved |
| S5-226928 | 18/11/2022 14:59:49 | approved |
| S5-226929 | 18/11/2022 14:59:37 | approved |
| S5-226930 | 18/11/2022 15:54:44 | approved |
| S5-226930 | 18/11/2022 15:55:12 | agreed |
| S5-226931 | 18/11/2022 15:54:49 | approved |
| S5-226931 | 18/11/2022 15:55:04 | agreed |
| S5-226932 | 18/11/2022 15:54:55 | agreed |
| S5-226933 | 18/11/2022 15:55:20 | agreed |
| S5-226934 | 18/11/2022 14:59:41 | approved |
| S5-226935 | 18/11/2022 14:59:45 | approved |
| S5-226936 | 18/11/2022 14:59:55 | approved |
| S5-226937 | 18/11/2022 14:59:59 | approved |
| S5-226938 | 18/11/2022 15:00:27 | not pursued |
| S5-226939 | 18/11/2022 15:00:53 | not pursued |
| S5-226940 | 18/11/2022 15:00:59 | approved |
| S5-226941 | 18/11/2022 15:01:05 | approved |
| S5-226942 | 18/11/2022 15:01:08 | approved |
| S5-226943 | 18/11/2022 15:01:12 | approved |
| S5-226944 | 18/11/2022 15:04:27 | available |
| S5-226945 | 18/11/2022 15:07:32 | approved |
| S5-226946 | 18/11/2022 15:10:58 | not pursued |
| S5-226947 | 18/11/2022 15:14:52 | not pursued |
| S5-226948 | 18/11/2022 15:19:26 | withdrawn |
| S5-226949 | 18/11/2022 15:19:35 | withdrawn |
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| S5-226951 | 18/11/2022 15:19:53 | approved |
| S5-226952 | 18/11/2022 13:45:21 | revised |
| S5-226953 | 18/11/2022 14:51:59 | withdrawn |
| S5-226954 | 18/11/2022 14:53:38 | not pursued |
| S5-226955 | 18/11/2022 14:54:43 | withdrawn |
| S5-226956 | 18/11/2022 14:54:49 | approved |
| S5-226957 | 18/11/2022 15:16:31 | approved |
| S5-226958 | 18/11/2022 15:16:37 | approved |
| S5-226959 | 18/11/2022 15:16:42 | approved |
| S5-226960 | 18/11/2022 15:16:47 | approved |
| S5-226961 | 18/11/2022 15:16:51 | approved |
| S5-226962 | 18/11/2022 15:16:55 | approved |
| S5-226963 | 18/11/2022 15:17:43 | not pursued |
| S5-226963 | 18/11/2022 16:31:57 | approved |
| S5-226964 | 18/11/2022 15:18:01 | withdrawn |
| S5-226965 | 18/11/2022 08:34:56 | noted |
| S5-226966 | 18/11/2022 15:20:47 | approved |
| S5-226967 | 18/11/2022 11:17:22 | agreed |
| S5-226968 | 18/11/2022 11:17:24 | agreed |
| S5-226969 | 18/11/2022 11:17:37 | agreed |
| S5-226970 | 18/11/2022 11:18:17 | agreed |
| S5-226971 | 18/11/2022 15:20:54 | approved |
| S5-226972 | 18/11/2022 15:20:57 | approved |
| S5-226973 | 18/11/2022 15:21:01 | approved |
| S5-226973 | 18/11/2022 15:21:31 | not pursued |
| S5-226974 | 18/11/2022 15:19:58 | approved |
| S5-226975 | 18/11/2022 15:21:37 | not pursued |
| S5-226976 | 18/11/2022 15:22:07 | approved |
| S5-226977 | 18/11/2022 15:22:12 | approved |
| S5-226978 | 18/11/2022 15:22:14 | approved |
| S5-226979 | 18/11/2022 15:22:18 | approved |
| S5-226980 | 18/11/2022 15:22:22 | approved |
| S5-226981 | 18/11/2022 15:22:26 | approved |
| S5-226982 | 18/11/2022 15:23:31 | approved |
| S5-226983 | 18/11/2022 15:23:36 | approved |
| S5-226984 | 18/11/2022 15:07:46 | approved |
| S5-226985 | 18/11/2022 15:07:49 | approved |
| S5-226986 | 18/11/2022 15:07:36 | approved |
| S5-226987 | 18/11/2022 15:08:03 | approved |
| S5-226988 | 18/11/2022 15:08:11 | approved |
| S5-226989 | 18/11/2022 15:23:44 | approved |
| S5-226990 | 18/11/2022 15:23:50 | withdrawn |
| S5-226991 | 18/11/2022 15:24:10 | approved |
| S5-226992 | 18/11/2022 15:14:45 | not pursued |
| S5-226993 | 18/11/2022 15:15:16 | not pursued |
| S5-226994 | 18/11/2022 15:15:25 | not pursued |
| S5-226995 | 18/11/2022 14:51:13 | approved |
| S5-226996 | 18/11/2022 13:11:04 | noted |
| S5-226997 | 18/11/2022 15:09:31 | approved |
| S5-226998 | 18/11/2022 15:24:37 | withdrawn |
| S5-226999 | 18/11/2022 15:24:44 | withdrawn |
| S5-227000 | 18/11/2022 15:24:52 | approved |
| S5-227001 | 18/11/2022 15:24:56 | approved |
| S5-227002 | 18/11/2022 15:25:00 | approved |
| S5-227003 | 18/11/2022 15:25:03 | approved |
| S5-227004 | 18/11/2022 15:25:06 | approved |
| S5-227005 | 18/11/2022 15:25:09 | approved |
| S5-227006 | 18/11/2022 15:26:12 | not pursued |
| S5-227007 | 18/11/2022 15:25:16 | approved |
| S5-227007 | 18/11/2022 15:25:35 | not pursued |
| S5-227008 | 18/11/2022 15:26:42 | not pursued |
| S5-227009 | 18/11/2022 15:26:30 | approved |
| S5-227010 | 18/11/2022 15:27:54 | not pursued |
| S5-227011 | 18/11/2022 15:08:17 | approved |
| S5-227012 | 18/11/2022 15:28:09 | not pursued |
| S5-227013 | 18/11/2022 15:28:23 | not pursued |
| S5-227014 | 18/11/2022 13:12:31 | agreed |
| S5-227015 | 18/11/2022 15:28:29 | withdrawn |
| S5-227016 | 18/11/2022 15:33:10 | withdrawn |
| S5-227017 | 18/11/2022 15:34:53 | not pursued |
| S5-227018 | 18/11/2022 15:35:08 | not pursued |
| S5-227019 | 18/11/2022 15:35:20 | not pursued |
| S5-227020 | 18/11/2022 15:35:31 | not pursued |
| S5-227021 | 18/11/2022 15:36:00 | not pursued |
| S5-227022 | 18/11/2022 15:36:06 | not pursued |
| S5-227023 | 18/11/2022 10:21:11 | agreed |
| S5-227024 | 18/11/2022 10:21:49 | agreed |
| S5-227025 | 18/11/2022 15:36:14 | approved |
| S5-227025 | 18/11/2022 15:36:56 | not pursued |
| S5-227025 | 18/11/2022 15:37:59 | approved |
| S5-227026 | 18/11/2022 10:52:59 | agreed |
| S5-227027 | 18/11/2022 10:52:54 | agreed |
| S5-227028 | 18/11/2022 10:53:41 | agreed |
| S5-227029 | 18/11/2022 10:54:08 | agreed |
| S5-227030 | 18/11/2022 15:38:16 | withdrawn |
| S5-227030 | 18/11/2022 15:40:40 | available |
| S5-227030 | 18/11/2022 16:33:00 | approved |
| S5-227031 | 18/11/2022 15:36:18 | approved |
| S5-227031 | 18/11/2022 15:37:10 | not pursued |
| S5-227032 | 18/11/2022 15:40:44 | withdrawn |
| S5-227033 | 18/11/2022 15:40:53 | approved |
| S5-227034 | 18/11/2022 15:40:58 | approved |
| S5-227035 | 18/11/2022 15:41:00 | approved |
| S5-227036 | 18/11/2022 16:33:26 | approved |
| S5-227037 | 18/11/2022 15:41:25 | approved |
| S5-227038 | 18/11/2022 08:05:11 | approved |
| S5-227039 | 18/11/2022 08:14:18 | reserved |
| S5-227039 | 30/11/2022 09:19:25 | approved |
| S5-227040 | 18/11/2022 08:28:38 | approved |
| S5-227041 | 18/11/2022 08:45:59 | agreed |
| S5-227042 | 18/11/2022 08:47:17 | approved |
| S5-227043 | 18/11/2022 15:46:28 | endorsed |
| S5-227044 | 18/11/2022 15:49:53 | agreed |
| S5-227045 | 18/11/2022 15:50:13 | agreed |
| S5-227046 | 18/11/2022 10:58:30 | agreed |
| S5-227047 | 18/11/2022 10:58:43 | agreed |
| S5-227048 | 18/11/2022 10:58:51 | agreed |
| S5-227049 | 18/11/2022 15:50:51 | agreed |
| S5-227050 | 18/11/2022 15:52:02 | agreed |
| S5-227051 | 18/11/2022 15:52:46 | agreed |
| S5-227052 | 18/11/2022 15:53:02 | agreed |
| S5-227053 | 18/11/2022 10:40:42 | agreed |
| S5-227054 | 18/11/2022 16:06:55 | agreed |
| S5-227055 | 18/11/2022 16:07:11 | agreed |
| S5-227056 | 18/11/2022 16:07:34 | agreed |
| S5-227057 | 18/11/2022 16:09:37 | agreed |
| S5-227058 | 18/11/2022 16:09:46 | agreed |
| S5-227059 | 18/11/2022 16:11:55 | revised |
| S5-227060 | 18/11/2022 16:13:08 | revised |
| S5-227061 | 18/11/2022 11:31:51 | agreed |
| S5-227062 | 18/11/2022 11:32:21 | agreed |
| S5-227063 | 18/11/2022 15:27:15 | approved |
| S5-227064 | 18/11/2022 12:45:35 | reserved |
| S5-227064 | 30/11/2022 09:12:06 | agreed |
| S5-227065 | 18/11/2022 12:47:19 | reserved |
| S5-227065 | 30/11/2022 09:13:34 | revised |
| S5-227066 | 18/11/2022 16:22:43 | approved |
| S5-227067 | 18/11/2022 13:16:53 | agreed |
| S5-227068 | 18/11/2022 16:26:07 | agreed |
| S5-227069 | 18/11/2022 13:30:56 | endorsed |
| S5-227070 | 18/11/2022 16:26:49 | approved |
| S5-227071 | 18/11/2022 13:52:09 | agreed |
| S5-227072 | 18/11/2022 13:59:28 | agreed |
| S5-227073 | 18/11/2022 14:01:50 | agreed |
| S5-227074 | 18/11/2022 14:05:38 | agreed |
| S5-227075 | 18/11/2022 14:27:48 | agreed |
| S5-227076 | 18/11/2022 14:36:29 | agreed |
| S5-227077 | 18/11/2022 16:43:21 | agreed |
| S5-227078 | 18/11/2022 16:43:34 | agreed |
| S5-227079 | 18/11/2022 15:58:41 | agreed |
| S5-227080 | 18/11/2022 15:58:44 | agreed |
| S5-227081 | 18/11/2022 15:58:50 | agreed |
| S5-227082 | 18/11/2022 16:12:26 | agreed |
| S5-227083 | 18/11/2022 16:13:10 | agreed |
| S5-227084 | 18/11/2022 16:36:24 | approved |
| S5-227085 | 20/11/2022 17:37:39 | reserved |
| S5-227085 | 30/11/2022 15:21:29 | approved |
| S5-227086 | 20/11/2022 22:51:52 | reserved |
| S5-227086 | 30/11/2022 15:21:38 | approved |
| S5-227087 | 20/11/2022 22:51:58 | reserved |
| S5-227087 | 30/11/2022 15:21:45 | approved |
| S5-227088 | 20/11/2022 22:51:40 | reserved |
| S5-227088 | 30/11/2022 09:20:13 | approved |
| S5-227089 | 30/11/2022 09:30:28 | approved |
| S5-227090 | 30/11/2022 09:12:18 | agreed |
| S5-227091 | 30/11/2022 09:12:46 | agreed |
| S5-227092 | 30/11/2022 09:13:37 | agreed |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-226100 | CR to TS28.104 Rel-17 MDAReport stage3 OpenAPI schema refactoring | Nokia, Nokia Shanghai Bell | 28.104 | 0016 | - | Rel-17 | F | TEI17 | not pursued |
| S5-226780 | CR to TS28.104 Rel-17 MDAReport stage3 OpenAPI schema refactoring | Nokia, Nokia Shanghai Bell | 28.104 | 0016 | 1 | Rel-17 | F | TEI17 | withdrawn |
| S5-226175 | Rel-17 CR TS 28.104 Adding Stage 2 definitions of missing attributes | Nokia, Nokia Shanghai Bell | 28.104 | 0017 | - | Rel-17 | F | eMDAS | agreed |
| S5-226176 | Rel-17 CR TS 28.104 Changing recommendation attributes of time from type DateTime to TimeWindow | Nokia, Nokia Shanghai Bell | 28.104 | 0018 | - | Rel-17 | F | eMDAS | agreed |
| S5-226177 | Rel-17 CR TS 28.104 Adding appropriate reference to GeoArea from NRM definition - Stage 2 and Stage 3 | Nokia, Nokia Shanghai Bell | 28.104 | 0019 | - | Rel-17 | F | eMDAS | agreed |
| S5-226775 | Rel-17 CR TS 28.104 Adding appropriate reference to GeoArea from NRM definition - Stage 2 and Stage 3 | Nokia, Nokia Shanghai Bell | 28.104 | 0019 | 1 | Rel-17 | F | eMDAS | withdrawn |
| S5-226178 | Rel-17 CR TS 28.104 Correcting the attribute properties for MDA request and response IOCs | Nokia, Nokia Shanghai Bell | 28.104 | 0020 | - | Rel-17 | F | eMDAS | agreed |
| S5-226179 | Rel-17 CR TS 28.104 Removal of repeated content | Nokia, Nokia Shanghai Bell | 28.104 | 0021 | - | Rel-17 | F | eMDAS | merged |
| S5-226184 | Rel-18 CR TS 28.104 Usecase and requirements for prediction and statistics of Management data | Nokia, Nokia Shanghai Bell | 28.104 | 0022 | - | Rel-18 | B | eMDAS\_Ph2 | revised |
| S5-226737 | Rel-18 CR TS 28.104 Usecase and requirements for prediction and statistics of Management data | Nokia, Nokia Shanghai Bell | 28.104 | 0022 | 1 | Rel-18 | B | eMDAS\_Ph2 | not pursued |
| S5-226193 | Rel-17 CR TS 28.104 Correct interchanging use of MDAS and MDA MnS | Ericsson-LG Co., LTD | 28.104 | 0023 | - | Rel-17 | F | eMDAS | not pursued |
| S5-226222 | CR Rel-17 28.104 Add the missing data type definition for threshold | Intel, NEC | 28.104 | 0024 | - | Rel-17 | F | eMDAS | agreed |
| S5-226223 | CR Rel-17 28.104 Correction of definition for analytics window | Intel, NEC | 28.104 | 0025 | - | Rel-17 | F | eMDAS | revised |
| S5-226771 | CR Rel-17 28.104 Correction of definition for analytics window | Intel, NEC | 28.104 | 0025 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-226308 | Rel-17 CR 28.104 Remove S-NSSAI from example of analytics output | Huawei | 28.104 | 0026 | - | Rel-17 | F | TEI17 | agreed |
| S5-226310 | Rel-18 CR 28.104 Add MDA capability for prediction of performance KPIs | Huawei | 28.104 | 0027 | - | Rel-18 | B | eMDAS\_Ph2 | not pursued |
| S5-226350 | Rel-17 CR 28.104 Clarification of energy saving analysis use case | Intel Korea, Ltd. | 28.104 | 0028 | - | Rel-17 | F | eMDAS | revised |
| S5-226777 | Rel-17 CR 28.104 Clarification of energy saving analysis use case | Intel Korea, Ltd. | 28.104 | 0028 | 1 | Rel-17 | F | eMDAS | not pursued |
| S5-226370 | Rel-18 CR TS 28.104 Update MDA assisted energy saving | Huawei | 28.104 | 0029 | - | Rel-18 | F | eMDAS\_Ph2 | revised |
| S5-226779 | Rel-18 CR TS 28.104 Update MDA assisted energy saving | Huawei | 28.104 | 0029 | 1 | Rel-17 | F | eMDAS | agreed |
| S5-226548 | Rel-18 CR 28.105 adding missing attributes | Samsung R&D Institute India | 28.105 | 0008 | - | Rel-17 | F | eMDAS | revised |
| S5-226781 | Rel-18 CR 28.105 adding missing attributes | Samsung R&D Institute India | 28.105 | 0008 | 1 | Rel-17 | F | eMDAS | revised |
| S5-227053 | Rel-18 CR 28.105 adding missing attributes | Samsung R&D Institute India | 28.105 | 0008 | 2 | Rel-17 | F | eMDAS | agreed |
| S5-226623 | CR Rel-17 28.105 Correction of stage 3 openAPI | Intel, NEC | 28.105 | 0009 | - | Rel-17 | F | eMDAS | agreed |
| S5-226641 | Rel-18 CR 28.105 adding missing attributes Stage3 | Samsung R&D Institute India | 28.105 | 0010 | - | Rel-17 | F | FS\_eMDAS | not pursued |
| S5-226677 | Rel-18 CR 28.105 adding missing attributes Stage3 | Samsung R&D Institute India | 28.105 | 0010 | 1 | Rel-17 | F | FS\_eMDAS | withdrawn |
| S5-226293 | Rel-18 CR TS 28.310 Add Energy Saving compensation procedure | Nokia, Nokia Shanghai Bell | 28.310 | 0022 | - | Rel-18 | B | EE5GPLUS\_Ph2 | revised |
| S5-226783 | Rel-18 CR TS 28.310 Add Energy Saving compensation procedure | Nokia, Nokia Shanghai Bell | 28.310 | 0022 | 1 | Rel-18 | B | EE5GPLUS\_Ph2 | revised |
| S5-227075 | Rel-18 CR TS 28.310 Add Energy Saving compensation procedure | Nokia, Nokia Shanghai Bell, Huawei | 28.310 | 0022 | 2 | Rel-18 | B | EE5GPLUS\_Ph2 | agreed |
| S5-226145 | TS28.312 Rel-17 Correction to Context and Expectation Object definitions | Nokia, Nokia Shanghai Bell | 28.312 | 0005 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-226772 | TS28.312 Rel-17 Correction to Context and Expectation Object definitions | Nokia, Nokia Shanghai Bell | 28.312 | 0005 | 1 | Rel-17 | F | IDMS\_MN | revised |
| S5-227054 | TS28.312 Rel-17 Correction to Context and Expectation Object definitions | Nokia, Nokia Shanghai Bell | 28.312 | 0005 | 2 | Rel-17 | F | IDMS\_MN | agreed |
| S5-226146 | TS 28.312 Rel-17 Correction to Stage 3 and Stage 2 definitions for Intent Driven Management | Nokia, Nokia Shanghai Bell | 28.312 | 0006 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-226773 | TS 28.312 Rel-17 Correction to Stage 3 and Stage 2 definitions for Intent Driven Management | Nokia, Nokia Shanghai Bell | 28.312 | 0006 | 1 | Rel-17 | F | IDMS\_MN | revised |
| S5-227055 | TS 28.312 Rel-17 Correction to Stage 3 and Stage 2 definitions for Intent Driven Management | Nokia, Nokia Shanghai Bell | 28.312 | 0006 | 2 | Rel-17 | F | IDMS\_MN | agreed |
| S5-226147 | TS28.312 Rel17 Addition of notification clauses, correction of mis-numbered clauses and addition of common notifications | Nokia, Nokia Shanghai Bell | 28.312 | 0007 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-226774 | TS28.312 Rel17 Addition of notification clauses, correction of mis-numbered clauses and addition of common notifications | Nokia, Nokia Shanghai Bell | 28.312 | 0007 | 1 | Rel-17 | F | IDMS\_MN | revised |
| S5-227056 | TS28.312 Rel17 Addition of notification clauses, correction of mis-numbered clauses and addition of common notifications | Nokia, Nokia Shanghai Bell | 28.312 | 0007 | 2 | Rel-17 | F | IDMS\_MN | agreed |
| S5-226152 | Rel-17 CR 28.312 Add clarification for ambiguous relation description between classic MnS and intent MnS | Huawei, Deutsche Telekom | 28.312 | 0008 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-226153 | Rel-17 CR TS 28.312 Update Enum value to use upper case characters to align with TS 32.156 (Stage2 and Stage3) | Huawei | 28.312 | 0009 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-226154 | Rel-17 CR TS 28.312 Correct the procedure for create an intent and modify an intent | Huawei, Deutsche Telekom | 28.312 | 0010 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-226155 | Rel-17 CR TS 28.312 Add missing generic requirements for intent driven MnS | Huawei, Deutsche Telekom | 28.312 | 0011 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-226606 | Rel-17 CR TS 28.312 Correct intent class diagram | L.M. Ericsson Limited | 28.312 | 0012 | - | Rel-17 | F | IDMS\_MN | revised |
| S5-226784 | Rel-17 CR TS 28.312 Correct intent class diagram | L.M. Ericsson Limited | 28.312 | 0012 | 1 | Rel-17 | F | IDMS\_MN | agreed |
| S5-226607 | Rel-17 CR TS 28.312 Correct notFulfilledReason attribute | L.M. Ericsson Limited | 28.312 | 0013 | - | Rel-17 | F | IDMS\_MN | agreed |
| S5-226608 | Rel-17 CR TS 28.312 Correct concept description | L.M. Ericsson Limited | 28.312 | 0014 | - | Rel-17 | F | IDMS\_MN | not pursued |
| S5-226180 | Rel-17 CR TS 28.313 Fixing incorrect references to IOCs of 28.541 | Nokia, Nokia Shanghai Bell | 28.313 | 0053 | - | Rel-17 | F | TEI17 | agreed |
| S5-226571 | Rel-17 CR 28.404 flow correction and clean up | Nokia | 28.404 | 0010 | - | Rel-17 | A | TEI17 | revised |
| S5-226667 | Rel-17 CR 28.404 flow correction and clean up | Nokia | 28.404 | 0010 | 1 | Rel-17 | A | TEI17 | revised |
| S5-227026 | Rel-17 CR 28.404 flow correction and clean up | Nokia | 28.404 | 0010 | 2 | Rel-17 | A | TEI17 | agreed |
| S5-226572 | Rel-16 CR 28.404 flow correction and clean up | Nokia | 28.404 | 0011 | - | Rel-16 | F | TEI16 | revised |
| S5-226668 | Rel-16 CR 28.404 flow correction and clean up | Nokia | 28.404 | 0011 | 1 | Rel-16 | F | TEI16 | revised |
| S5-227027 | Rel-16 CR 28.404 flow correction and clean up | Nokia | 28.404 | 0011 | 2 | Rel-16 | F | TEI16 | agreed |
| S5-226573 | Rel-18 CR 28.405 clean up | Nokia | 28.405 | 0016 | - | Rel-18 | F | TEI18 | revised |
| S5-226669 | Rel-18 CR 28.405 clean up | Nokia | 28.405 | 0016 | 1 | Rel-18 | F | TEI18 | revised |
| S5-227028 | Rel-18 CR 28.405 clean up | Nokia | 28.405 | 0016 | 2 | Rel-18 | F | TEI18 | agreed |
| S5-226574 | Rel-17 CR 28.405 clean up | Nokia | 28.405 | 0017 | - | Rel-17 | F | TEI17 | revised |
| S5-226670 | Rel-17 CR 28.405 clean up | Nokia | 28.405 | 0017 | 1 | Rel-17 | F | TEI17 | revised |
| S5-227029 | Rel-17 CR 28.405 clean up | Nokia | 28.405 | 0017 | 2 | Rel-17 | F | TEI17 | agreed |
| S5-226575 | Rel-18 CR 28.405 Management based activation in NR correction for SBMA | Nokia | 28.405 | 0018 | - | Rel-18 | F | eQoE | revised |
| S5-226671 | Rel-18 CR 28.405 Management based activation in NR correction for SBMA | Nokia, Ericsson | 28.405 | 0018 | 1 | Rel-18 | F | eQoE | agreed |
| S5-226618 | R18 CR 286405 Add MDT alignment Information and RAN visible QoE Metrics to Handling QMC at Handover | Ericsson | 28.405 | 0019 | - | Rel-18 | B | eQoE | agreed |
| S5-226619 | R18 CR 28.405 Align Management Based Activation for NR with SBMA and add Available RAN Visible QoE Metrics and MDT Alignment information to align with RAN | Ericsson | 28.405 | 0020 | - | Rel-18 | B | eQoE | merged |
| S5-226620 | R18 CR 28405 Definition of parameters MDT Alignment Information and Available RAN Visible QoE Metrics | Ericsson | 28.405 | 0021 | - | Rel-18 | B | eQoE | agreed |
| S5-226107 | Rel-18 CR TS 28.530 Add network slice isolation use case and requirements | Nokia, Nokia Shanghai Bell | 28.530 | 0054 | - | Rel-18 | B | NSRULE | revised |
| S5-226567 | Rel-18 CR TS 28.530 Add network slice isolation use case and requirements | Nokia, Nokia Shanghai Bell | 28.530 | 0054 | 1 | Rel-18 | B | NSRULE | not pursued |
| S5-226666 | Rel-18 CR TS 28.530 Add network slice isolation use case and requirements | Nokia, Nokia Shanghai Bell | 28.530 | 0054 | 2 | Rel-18 | B | NSRULE | withdrawn |
| S5-226109 | Rel-18 CR TS28.531 Procedures to support asynchronous Network Slice LCM operations | Nokia, Nokia Shanghai Bell | 28.531 | 0145 | - | Rel-18 | B | eNETSLICE\_PRO | revised |
| S5-226560 | Rel-18 CR TS28.531 Procedures to support asynchronous Network Slice LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | 28.531 | 0145 | 1 | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-226896 | Rel-18 CR TS28.531 Procedures to support asynchronous Network Slice LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | 28.531 | 0145 | 2 | Rel-18 | B | eNETSLICE\_PRO | withdrawn |
| S5-226303 | Rel-15 CR TS 28.531 Correct vocabulary | Huawei | 28.531 | 0146 | - | Rel-15 | F | TEI15 | revised |
| S5-226930 | Rel-15 CR TS 28.531 Correct vocabulary | Huawei | 28.531 | 0146 | 1 | Rel-15 | F | TEI15 | agreed |
| S5-226305 | Rel-16 CR TS 28.531 Correct vocabulary | Huawei | 28.531 | 0147 | - | Rel-16 | A | TEI15 | revised |
| S5-226931 | Rel-16 CR TS 28.531 Correct vocabulary | Huawei | 28.531 | 0147 | 1 | Rel-16 | A | TEI15 | agreed |
| S5-226306 | Rel-17 CR TS 28.531 Correct vocabulary | Huawei | 28.531 | 0148 | - | Rel-17 | A | TEI15 | revised |
| S5-226932 | Rel-17 CR TS 28.531 Correct vocabulary | Huawei | 28.531 | 0148 | 1 | Rel-17 | A | TEI15 | agreed |
| S5-226307 | Rel-18 CR TS 28.531 Correct vocabulary | Huawei | 28.531 | 0149 | - | Rel-18 | A | TEI15 | revised |
| S5-226933 | Rel-18 CR TS 28.531 Correct vocabulary | Huawei | 28.531 | 0149 | 1 | Rel-18 | A | TEI15 | agreed |
| S5-226386 | Rel-18 CR 28.531 Fixing provisioning data reporting service | Samsung R&D Institute India | 28.531 | 0150 | - | Rel-18 | F | eNETSLICE\_PRO | revised |
| S5-226657 | Rel-18 CR 28.531 Fixing provisioning data reporting service | Samsung R&D Institute India | 28.531 | 0150 | 1 | Rel-18 | F | eNETSLICE\_PRO | revised |
| S5-227076 | Rel-18 CR 28.531 Fixing provisioning data reporting service | Samsung R&D Institute India | 28.531 | 0150 | 2 | Rel-18 | F | eNETSLICE\_PRO | agreed |
| S5-226406 | Rel-18 CR 28.531 Adding a requirement for network slice provisioning service | CMDI | 28.531 | 0151 | - | Rel-18 | A | eNETSLICE\_PRO | not pursued |
| S5-226658 | Rel-18 CR 28.531 Adding a requirement for network slice provisioning service | CMDI | 28.531 | 0151 | 1 | Rel-18 | F | eNETSLICE\_PRO | withdrawn |
| S5-226530 | Rel-18 CR 28.531 Update procedures and operations to support asynchronous mode of operation | Samsung R&D Institute India | 28.531 | 0152 | - | Rel-18 | B | eNETSLICE\_PRO | revised |
| S5-226663 | Rel-18 CR 28.531 Update procedures and operations to support asynchronous mode of operation | Samsung R&D Institute India | 28.531 | 0152 | 1 | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-226535 | Rel-18 CR 28.531 deleting allocate network | Samsung R&D Institute India | 28.531 | 0153 | - | Rel-18 | C | eNETSLICE\_PRO | revised |
| S5-226664 | Rel-18 CR 28.531 deleting allocate network | Samsung R&D Institute India | 28.531 | 0153 | 1 | Rel-18 | C | eNETSLICE\_PRO | agreed |
| S5-226577 | Rel-18 CR TS 28.531 Add missing use case and requirement for capability class | L.M. Ericsson Limited, Deutsche Telekom | 28.531 | 0154 | - | Rel-18 | A | eNETSLICE\_PRO | revised |
| S5-226898 | Rel-18 CR TS 28.531 Add missing use case and requirement for capability class | L.M. Ericsson Limited, Deutsche Telekom | 28.531 | 0154 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-226578 | Rel-17 CR TS 28.531 Add missing use case and requirement for capability class | L.M. Ericsson Limited, Deutsche Telekom | 28.531 | 0155 | - | Rel-17 | F | eNETSLICE\_PRO | revised |
| S5-226897 | Rel-17 CR TS 28.531 Add missing use case and requirement for capability class | L.M. Ericsson Limited, Deutsche Telekom | 28.531 | 0155 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-226590 | Rel-18 CR TS 28.531 Clarify network slice subnet configuration | L.M. Ericsson Limited | 28.531 | 0156 | - | Rel-18 | A | NETSLICE | not pursued |
| S5-226591 | Rel-17 CR TS 28.531 Clarify network slice subnet configuration | L.M. Ericsson Limited | 28.531 | 0157 | - | Rel-17 | A | NETSLICE | not pursued |
| S5-226592 | Rel-16 CR TS 28.531 Clarify network slice subnet configuration | L.M. Ericsson Limited | 28.531 | 0158 | - | Rel-16 | F | NETSLICE | not pursued |
| S5-226593 | Rel-18 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | 28.531 | 0159 | - | Rel-18 | A | NETSLICE | revised |
| S5-226970 | Rel-18 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | 28.531 | 0159 | 1 | Rel-18 | A | NETSLICE | agreed |
| S5-226594 | Rel-17 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | 28.531 | 0160 | - | Rel-17 | A | NETSLICE | revised |
| S5-226969 | Rel-17 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | 28.531 | 0160 | 1 | Rel-17 | A | NETSLICE | agreed |
| S5-226595 | Rel-16 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | 28.531 | 0161 | - | Rel-16 | F | NETSLICE | revised |
| S5-226968 | Rel-16 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | 28.531 | 0161 | 1 | Rel-16 | A | NETSLICE | agreed |
| S5-226827 | Rel-18 CR 28.531 Specify network slicing provisioning rules requirements | L.M. Ericsson Limited | 28.531 | 0162 | - | Rel-18 | B | NSRULE | not pursued |
| S5-226967 | Rel-15 CR TS 28.531 Clarification of deallocation use case | L.M. Ericsson Limited | 28.531 | 0163 | - | Rel-15 | F | NETSLICE | agreed |
| S5-226254 | Rel-16 CR 28.532 Correct OpenAPI definition of HTTP DELETE | Nokia, Nokia Shanghai Bell | 28.532 | 0226 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-226763 | Rel-16 CR 28.532 Correct OpenAPI definition of HTTP DELETE | Nokia, Nokia Shanghai Bell | 28.532 | 0226 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226255 | Rel-17 CR 28.532 Correct OpenAPI definition of HTTP DELETE | Nokia, Nokia Shanghai Bell | 28.532 | 0227 | - | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-226764 | Rel-17 CR 28.532 Correct OpenAPI definition of HTTP DELETE | Nokia, Nokia Shanghai Bell | 28.532 | 0227 | 1 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226256 | Rel-16 CR 28.532 Correct type of “observedValue” attribute | Nokia, Nokia Shanghai Bell | 28.532 | 0228 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-226765 | Rel-16 CR 28.532 Correct type of “observedValue” attribute | Nokia, Nokia Shanghai Bell | 28.532 | 0228 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226257 | Rel-17 CR 28.532 Correct type of “observedValue” attribute | Nokia, Nokia Shanghai Bell | 28.532 | 0229 | - | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-226766 | Rel-17 CR 28.532 Correct type of “observedValue” attribute | Nokia, Nokia Shanghai Bell | 28.532 | 0229 | 1 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226258 | Rel-16 CR 28.532 Correct definition of the HTTP GET response | Nokia, Nokia Shanghai Bell | 28.532 | 0230 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-226767 | Rel-16 CR 28.532 Correct definition of the HTTP GET response | Nokia, Nokia Shanghai Bell | 28.532 | 0230 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226259 | Rel-17 CR 28.532 Correct definition of the HTTP GET response | Nokia, Nokia Shanghai Bell | 28.532 | 0231 | - | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-226768 | Rel-17 CR 28.532 Correct definition of the HTTP GET response | Nokia, Nokia Shanghai Bell | 28.532 | 0231 | 1 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226260 | Rel-16 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | 28.532 | 0232 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-226769 | Rel-16 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | 28.532 | 0232 | 1 | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-227049 | Rel-16 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | 28.532 | 0232 | 2 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226261 | Rel-17 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | 28.532 | 0233 | - | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-226770 | Rel-17 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | 28.532 | 0233 | 1 | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-227050 | Rel-17 CR 28.532 Add missing definition of the JSON Patch document | Nokia, Nokia Shanghai Bell | 28.532 | 0233 | 2 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226262 | Rel-16 CR 28.532 Remove duplicated message flows (REST SS of ProvMnS) | Nokia, Nokia Shanghai Bell | 28.532 | 0234 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226263 | Rel-17 CR 28.532 Remove duplicated message flows (REST SS of ProvMnS) | Nokia, Nokia Shanghai Bell | 28.532 | 0235 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226264 | Rel-16 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | 28.532 | 0236 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-226825 | Rel-16 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | 28.532 | 0236 | 1 | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-227051 | Rel-16 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | 28.532 | 0236 | 2 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226265 | Rel-17 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | 28.532 | 0237 | - | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-226826 | Rel-17 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | 28.532 | 0237 | 1 | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-227052 | Rel-17 CR 28.532 Add introduction clause to the Prov MnS definition | Nokia, Nokia Shanghai Bell | 28.532 | 0237 | 2 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226266 | Rel-17 CR 28.532 Add missing “insert” attribute to the data type “MoiChange” | Nokia, Nokia Shanghai Bell | 28.532 | 0238 | - | Rel-17 | F | REST\_SS, TEI17 | revised |
| S5-226824 | Rel-17 CR 28.532 Add missing “insert” attribute to the data type “MoiChange” | Nokia, Nokia Shanghai Bell | 28.532 | 0238 | 1 | Rel-17 | F | REST\_SS, TEI17 | agreed |
| S5-226267 | Rel-17 CR 28.532 Clarify allowed values for “href” parameter in “notifyMOIChanges” (NETCONF/YANG) | Nokia, Nokia Shanghai Bell | 28.532 | 0239 | - | Rel-17 | F | REST\_SS, TEI17 | agreed |
| S5-226231 | Rel-18 CR 28.538 Add editorial changes | Intel Korea, Ltd. | 28.538 | 0021 | - | Rel-18 | B | eECM | revised |
| S5-226915 | Rel-18 CR 28.538 Add editorial changes | Intel Korea, Ltd. | 28.538 | 0021 | 1 | Rel-18 | F | ECM, TEI18 | agreed |
| S5-226233 | Rel-18 CR 28.552 Add EEC request rate measurements | Intel Korea, Ltd. | 28.538 | 0022 | - | Rel-18 | B | eECM | withdrawn |
| S5-226631 | InputToDraftCR 28.538 NBI support Stage3 | Samsung R&D Institute India | 28.538 | 0023 | - | Rel-18 | B | eECM | revised |
| S5-226674 | InputToDraftCR 28.538 NBI support Stage3 | Samsung R&D Institute India | 28.538 | 0023 | 1 | Rel-18 | B | eECM | not pursued |
| S5-226632 | InputToDraftCR 28.538 NBI support QoS Stage3 | Samsung R&D Institute India | 28.538 | 0024 | - | Rel-18 | B | eECM | not pursued |
| S5-226675 | InputToDraftCR 28.538 NBI support QoS Stage3 | Samsung R&D Institute India | 28.538 | 0024 | 1 | Rel-18 | B | eECM | withdrawn |
| S5-226360 | Rel-17 CR for TS28.540 editorialCorrections | ZXNE | 28.540 | 0019 | - | Rel-17 | F | TEI17 | agreed |
| S5-226336 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2) | Ericsson Inc. | 28.541 | 0753 | 1 | Rel-18 | C | AdNRM\_ph2 | revised |
| S5-226654 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2) | Ericsson Inc. | 28.541 | 0753 | 2 | Rel-18 | C | AdNRM\_ph2 | revised |
| S5-227067 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 2) | Ericsson Inc. | 28.541 | 0753 | 3 | Rel-18 | C | AdNRM\_ph2 | agreed |
| S5-226337 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG) | Ericsson Inc. | 28.541 | 0754 | 1 | Rel-18 | C | AdNRM\_ph2 | revised |
| S5-226655 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG) | Ericsson Inc. | 28.541 | 0754 | 2 | Rel-18 | C | AdNRM\_ph2 | revised |
| S5-227068 | Rel-18 CR 28.541 Add Enhanced QoS support in NRM (stage 3, YANG) | Ericsson Inc. | 28.541 | 0754 | 3 | Rel-18 | C | AdNRM\_ph2 | agreed |
| S5-226057 | YANG Corrections in Word TS | Ericsson Hungary Ltd | 28.541 | 0785 | - | Rel-18 | F | TEI18 | agreed |
| S5-226060 | YANG Corrections in Word TS | Ericsson Hungary Ltd | 28.541 | 0786 | - | Rel-17 | F | TEI17 | agreed |
| S5-226089 | CR to TS 28.541 Rel-18 NRM enhancements for AUSFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0787 | - | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-226090 | CR to TS 28.541 Rel-18 NRM enhancements for NEFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0788 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-227014 | CR to TS 28.541 Rel-18 NRM enhancements for NEFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0788 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-226091 | CR to TS 28.541 Rel-18 NRM enhancements for NSACFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0789 | - | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-226092 | TS28.541 Rel-18 NRM enhancements for NWDAFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0790 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-226650 | TS28.541 Rel-18 NRM enhancements for NWDAFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0790 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-226093 | TS28.541 Rel-18 NRM enhancements for SCPFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0791 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-226815 | TS28.541 Rel-18 NRM enhancements for SCPFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0791 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-226094 | TS28.541 Rel-18 NRM enhancements for SEPPFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0792 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-226651 | TS28.541 Rel-18 NRM enhancements for SEPPFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0792 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-226095 | TS28.541 Rel-18 NRM enhancements for UDSFFunction | Nokia, Nokia Shanghai Bell | 28.541 | 0793 | - | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-226097 | TS28.541 Rel-16 Correcting name of nSInstanceId | Nokia, Nokia Shanghai Bell | 28.541 | 0794 | - | Rel-16 | F | TEI16 | revised |
| S5-226925 | TS28.541 Rel-16 Correcting name of nSInstanceId | Nokia, Nokia Shanghai Bell | 28.541 | 0794 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-226098 | TS28.541 Rel-17 Correcting name of nSInstanceId | Nokia, Nokia Shanghai Bell | 28.541 | 0795 | - | Rel-17 | A | TEI16 | revised |
| S5-226926 | CR to TS 28.541 Rel-17 Correcting name of nSInstanceId | Nokia, Nokia Shanghai Bell | 28.541 | 0795 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-226099 | CR to TS 28.541 Rel-18 Correcting name of nSInstanceId | Nokia, Nokia Shanghai Bell | 28.541 | 0796 | - | Rel-18 | A | TEI16 | agreed |
| S5-226104 | Rel-17 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | 28.541 | 0797 | - | Rel-17 | F | TEI17 | revised |
| S5-226785 | Rel-17 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | 28.541 | 0797 | 1 | Rel-17 | F | TEI17 | not pursued |
| S5-226105 | Rel-18 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | 28.541 | 0798 | - | Rel-18 | A | TEI17 | revised |
| S5-226786 | Rel-18 CR TS28.541 Add missing attributes from serviceProfile to sliceProfile | Nokia, Nokia Shanghai Bell, KDDI | 28.541 | 0798 | 1 | Rel-18 | A | TEI17 | not pursued |
| S5-226106 | Rel-18 CR TS 28.541 Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell | 28.541 | 0799 | - | Rel-18 | B | NSRULE | not pursued |
| S5-226828 | Rel-18 CR TS 28.541 Add NRM for network slice isolation | Nokia, Nokia Shanghai Bell | 28.541 | 0799 | 1 | Rel-18 | B | NSRULE | withdrawn |
| S5-226108 | Rel-18 CR TS28.541 Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell | 28.541 | 0800 | - | Rel-18 | B | eNETSLICE\_PRO | revised |
| S5-226557 | Rel-18 CR TS28.541 Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | 28.541 | 0800 | 1 | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-226895 | Rel-18 CR TS28.541 Add NetworkSliceController and NetworkSliceSubnetController IOCs to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | 28.541 | 0800 | 2 | Rel-18 | B | eNETSLICE\_PRO | withdrawn |
| S5-226111 | Rel-16 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0801 | - | Rel-16 | F | TEI16 | revised |
| S5-226787 | Rel-16 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0801 | 1 | Rel-16 | F | TEI16 | revised |
| S5-227046 | Rel-16 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0801 | 2 | Rel-16 | F | TEI16 | agreed |
| S5-226112 | Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0802 | - | Rel-17 | F | TEI17 | revised |
| S5-226788 | Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0802 | 1 | Rel-17 | F | TEI17 | revised |
| S5-227047 | Rel-17 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0802 | 2 | Rel-17 | F | TEI17 | agreed |
| S5-226113 | Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0803 | - | Rel-18 | A | TEI17 | revised |
| S5-226789 | Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0803 | 1 | Rel-18 | A | TEI17 | revised |
| S5-227048 | Rel-18 CR TS 28.541 Correction to multiplicity of relation between NetworkSlice IOC and NetworkSliceSubnet IOC | Nokia, Nokia Shanghai Bell | 28.541 | 0803 | 2 | Rel-18 | A | TEI17 | agreed |
| S5-226114 | Rel-16 CR TS 28.541 Correction to GSMA NG 116 reference for KPIMonitoring | Nokia, Nokia Shanghai Bell | 28.541 | 0804 | - | Rel-16 | F | TEI16 | agreed |
| S5-226115 | Rel-17 CR TS 28.541 Correction to GSMA NG 116 reference for KPIMonitoring | Nokia, Nokia Shanghai Bell | 28.541 | 0805 | - | Rel-17 | A | TEI16 | agreed |
| S5-226116 | Rel-18 CR TS 28.541 Correction to GSMA NG 116 reference for KPIMonitoring | Nokia, Nokia Shanghai Bell | 28.541 | 0806 | - | Rel-18 | A | TEI16 | agreed |
| S5-226117 | Rel-16 CR TS 28.541 Correction to ServiceProfile attribute v2XCommModels name in YAML defintion | Nokia, Nokia Shanghai Bell | 28.541 | 0807 | - | Rel-16 | F | TEI16 | agreed |
| S5-226118 | Rel-17 CR TS 28.541 Correction to ServiceProfile attribute v2XCommModels name in YAML defintion | Nokia, Nokia Shanghai Bell | 28.541 | 0808 | - | Rel-17 | A | TEI16 | agreed |
| S5-226119 | Rel-18 CR TS 28.541 Correction to ServiceProfile attribute v2XCommModels name in YAML defintion | Nokia, Nokia Shanghai Bell | 28.541 | 0809 | - | Rel-18 | A | TEI16 | agreed |
| S5-226120 | Rel-16 CR TS 28.541 Correction to inconsistencies in GNBCUCPFunction definition | Nokia, Nokia Shanghai Bell | 28.541 | 0810 | - | Rel-16 | F | TEI16 | agreed |
| S5-226121 | Rel-17 CR TS 28.541 Correction to inconsistencies in GNBCUCPFunction definition | Nokia, Nokia Shanghai Bell | 28.541 | 0811 | - | Rel-17 | A | TEI16 | agreed |
| S5-226122 | Rel-18 CR TS 28.541 Correction to inconsistencies in GNBCUCPFunction definition | Nokia, Nokia Shanghai Bell | 28.541 | 0812 | - | Rel-18 | A | TEI16 | agreed |
| S5-226125 | Rel-15 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.541 | 0813 | - | Rel-15 | F | TEI15 | revised |
| S5-226746 | Rel-15 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.541 | 0813 | 1 | Rel-15 | F | TEI15 | agreed |
| S5-226126 | Rel-16 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.541 | 0814 | - | Rel-16 | A | TEI15 | revised |
| S5-226747 | Rel-16 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.541 | 0814 | 1 | Rel-16 | A | TEI15 | agreed |
| S5-226127 | Rel-17 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.541 | 0815 | - | Rel-17 | A | TEI15 | revised |
| S5-226748 | Rel-17 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.541 | 0815 | 1 | Rel-17 | A | TEI15 | agreed |
| S5-226128 | Rel-18 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.541 | 0816 | - | Rel-18 | A | TEI15 | revised |
| S5-226749 | Rel-18 TS 28.541 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.541 | 0816 | 1 | Rel-18 | A | TEI15 | agreed |
| S5-226143 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | 28.541 | 0817 | - | Rel-17 | F | TEI17 | not pursued |
| S5-226754 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | 28.541 | 0817 | 1 | Rel-17 | F | TEI17 | withdrawn |
| S5-226144 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | 28.541 | 0818 | - | Rel-18 | A | TEI17 | revised |
| S5-226755 | Fix vague issues in EP\_Transport with Federated network modelling | Nokia, Nokia Shanghai Bell, KDDI, Juniper, TELUS | 28.541 | 0818 | 1 | Rel-18 | C | adNRM\_ph2 | not pursued |
| S5-226156 | Rel-17 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob | Huawei | 28.541 | 0819 | - | Rel-17 | F | TEI17 | revised |
| S5-227057 | Rel-17 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob | Huawei | 28.541 | 0819 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-226157 | Rel-18 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob | Huawei | 28.541 | 0820 | - | Rel-18 | A | TEI17 | revised |
| S5-227058 | Rel-18 CR TS 28.541 Address Editor’s Note for the description of FeasibilityCheckAndReservationJob | Huawei | 28.541 | 0820 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-226162 | Rel-17 CR TS 28.541 Correct the definition for cellLocalId to support MOCN network sharing sceanrio | Huawei | 28.541 | 0821 | - | Rel-17 | F | MANS | agreed |
| S5-226163 | Rel-18 CR TS 28.541 Correct the definition for cellLocalId to support MOCN network sharing sceanrio | Huawei | 28.541 | 0822 | - | Rel-18 | A | MANS | agreed |
| S5-226164 | Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose | Huawei | 28.541 | 0823 | - | Rel-18 | B | AdNRM\_ph2 | revised |
| S5-226653 | Rel-18 CR TS 28.541 Update NWDAFFunction IOC to support management and control purpose | Huawei | 28.541 | 0823 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-226204 | Rel-17 CR TS28.541 Correct the misalignment information between stage2 and stage3 | Huawei | 28.541 | 0824 | - | Rel-17 | F | eSON\_5G | agreed |
| S5-226205 | Rel-18 CR TS28.541 Correct the misalignment information between stage2 and stage3 | Huawei | 28.541 | 0825 | - | Rel-18 | A | eSON\_5G | agreed |
| S5-226382 | TS28.541 Rel-18 NRM enhancements for Tai | Nokia, Nokia Shanghai Bell | 28.541 | 0826 | - | Rel-18 | B | AdNRM\_ph2 | not pursued |
| S5-226817 | TS28.541 Rel-18 NRM enhancements for Tai | Nokia, Nokia Shanghai Bell | 28.541 | 0826 | 1 | Rel-18 | B | AdNRM\_ph2 | withdrawn |
| S5-226404 | TS28.541 Rel-17 replacing Support Qualifier with S | Nokia, Nokia Shanghai Bell | 28.541 | 0827 | - | Rel-17 | F | TEI17 | agreed |
| S5-226405 | TS28.541 Rel-18 replacing Support Qualifier with S | Nokia, Nokia Shanghai Bell | 28.541 | 0828 | - | Rel-18 | A | TEI17 | agreed |
| S5-226531 | Rel-18 CR 28.541 adding processMonitor in NetworkSlice and NetworkSliceSubnet | Samsung R&D Institute India | 28.541 | 0829 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-226537 | Rel-18 CR 28.541 Fix vague issues in EP\_Transport | Samsung R&D Institute India | 28.541 | 0830 | - | Rel-18 | C | AdNRM\_ph2 | revised |
| S5-226821 | Rel-18 CR 28.541 Fix vague issues in EP\_Transport | Samsung R&D Institute India | 28.541 | 0830 | 1 | Rel-18 | C | AdNRM\_ph2 | not pursued |
| S5-226546 | Rel-18 CR 28.541 on connecting subnet with EP\_RP directly | Samsung R&D Institute India | 28.541 | 0831 | - | Rel-18 | C | AdNRM\_ph2 | revised |
| S5-226820 | Rel-18 CR 28.541 on connecting subnet with EP\_RP directly | Samsung R&D Institute India | 28.541 | 0831 | 1 | Rel-18 | C | AdNRM\_ph2 | not pursued |
| S5-226582 | Rel-18 CR 28.531 Specify network slicing provisioning rules requirements | L.M. Ericsson Limited | 28.541 | 0832 | - | Rel-18 | B | NSRULE | not pursued |
| S5-226583 | Rel-18 CR 28.541 Add network slice rules to NRM | L.M. Ericsson Limited | 28.541 | 0833 | - | Rel-18 | B | NSRULE | revised |
| S5-226829 | Rel-18 CR 28.541 Add network slice rules to NRM | L.M. Ericsson Limited | 28.541 | 0833 | 1 | Rel-18 | B | NSRULE | not pursued |
| S5-226584 | Rel-18 CR TS 28.541 Consistency in use of servAttrCom | L.M. Ericsson Limited | 28.541 | 0834 | - | Rel-18 | A | MA5SLA | agreed |
| S5-226585 | Rel-17 CR TS 28.541 Consistency in use of servAttrCom | L.M. Ericsson Limited | 28.541 | 0835 | - | Rel-17 | A | MA5SLA | revised |
| S5-226790 | Rel-17 CR TS 28.541 Consistency in use of servAttrCom | L.M. Ericsson Limited | 28.541 | 0835 | 1 | Rel-17 | A | MA5SLA | agreed |
| S5-226586 | Rel-16 CR TS 28.541 Consistency in use of servAttrCom | L.M. Ericsson Limited | 28.541 | 0836 | - | Rel-16 | F | MA5SLA | agreed |
| S5-226587 | Rel-18 CR TS 28.541 Correct kPIList | L.M. Ericsson Limited | 28.541 | 0837 | - | Rel-18 | A | MA5SLA | agreed |
| S5-226588 | Rel-17 CR TS 28.541 Correct kPIList | L.M. Ericsson Limited | 28.541 | 0838 | - | Rel-17 | A | MA5SLA | agreed |
| S5-226589 | Rel-16 CR TS 28.541 Correct kPIList | L.M. Ericsson Limited | 28.541 | 0839 | - | Rel-16 | F | MA5SLA | agreed |
| S5-226596 | Rel-18 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | 28.541 | 0840 | - | Rel-18 | A | MA5SLA | revised |
| S5-226793 | Rel-18 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | 28.541 | 0840 | 1 | Rel-18 | A | MA5SLA | agreed |
| S5-226597 | Rel-17 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | 28.541 | 0841 | - | Rel-17 | A | MA5SLA | revised |
| S5-226792 | Rel-17 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | 28.541 | 0841 | 1 | Rel-17 | A | MA5SLA | agreed |
| S5-226598 | Rel-16 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | 28.541 | 0842 | - | Rel-16 | F | MA5SLA | revised |
| S5-226791 | Rel-16 CR TS 28.541 Correct periodicityList | L.M. Ericsson Limited | 28.541 | 0842 | 1 | Rel-16 | F | MA5SLA | agreed |
| S5-226599 | Rel-18 CR TS 28.541 Correct network slice state management table | L.M. Ericsson Limited | 28.541 | 0843 | - | Rel-18 | A | TEI17 | revised |
| S5-226794 | Rel-18 CR TS 28.541 Correct network slice state management table | L.M. Ericsson Limited | 28.541 | 0843 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-226600 | Rel-17 CR TS 28.541 Correct network slice state management table | L.M. Ericsson Limited | 28.541 | 0844 | - | Rel-17 | F | TEI17 | revised |
| S5-226795 | Rel-17 CR TS 28.541 Correct network slice state management table | L.M. Ericsson Limited | 28.541 | 0844 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-226602 | Rel-18 CR TS 28.541 Add new note to Annex B | L.M. Ericsson Limited | 28.541 | 0845 | - | Rel-18 | A | NETSLICE | not pursued |
| S5-226603 | Rel-17 CR TS 28.541 Add new note to Annex B | L.M. Ericsson Limited | 28.541 | 0846 | - | Rel-17 | A | NETSLICE | not pursued |
| S5-226604 | Rel-16 CR TS 28.541 Add new note to Annex B | L.M. Ericsson Limited | 28.541 | 0847 | - | Rel-16 | A | NETSLICE | not pursued |
| S5-226605 | Rel-15 CR TS 28.541 Add new note to Annex B | L.M. Ericsson Limited | 28.541 | 0848 | - | Rel-15 | F | NETSLICE | not pursued |
| S5-226638 | Rel-18 CR 28.541 Fix vague issues in EP\_Transport Stage 3 | Samsung R&D Institute India | 28.541 | 0849 | - | Rel-18 | C | AdNRM\_ph2 | revised |
| S5-226676 | Rel-18 CR 28.541 Fix vague issues in EP\_Transport Stage 3 | Samsung R&D Institute India | 28.541 | 0849 | 1 | Rel-18 | C | AdNRM\_ph2 | not pursued |
| S5-226639 | Rel-18 CR 28.541 adding processMonitor in NetworkSlice and NetworkSliceSubnet Stage3 | Samsung R&D Institute India | 28.541 | 0850 | - | Rel-18 | C | eNETSLICE\_PRO | not pursued |
| S5-226640 | Rel-18 CR 28.541 on connecting subnet with EP\_RP directly Stage3 | Samsung R&D Institute India | 28.541 | 0851 | - | Rel-18 | C | AdNRM\_ph2 | revised |
| S5-226822 | Rel-18 CR 28.541 on connecting subnet with EP\_RP directly Stage3 | Samsung R&D Institute India | 28.541 | 0851 | 1 | Rel-18 | C | AdNRM\_ph2 | not pursued |
| S5-226087 | New measurement “Mean interruption time interval for 5QI 1 QoS Flow released due to double NG (double UE context)”. | Nokia Denmark | 28.552 | 0385 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-226842 | New measurement “Mean interruption time interval for 5QI 1 QoS Flow released due to double NG (double UE context)”. | Nokia Denmark | 28.552 | 0385 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-227071 | New measurement “Mean interruption time interval for 5QI 1 QoS Flow released due to double NG (double UE context)”. | Nokia Denmark | 28.552 | 0385 | 2 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-226185 | Rel-18 CR TS 28.552 Renaming MRO counters from Intra/Inter System to Intra/Inter RAT | Nokia, Nokia Shanghai Bell | 28.552 | 0386 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | not pursued |
| S5-226232 | Rel-18 CR 28.552 Add EEC registration related measurements | Intel Korea, Ltd. | 28.552 | 0387 | - | Rel-18 | B | eECM | revised |
| S5-226813 | Rel-18 CR 28.552 Add EEC registration related measurements | Intel Korea, Ltd. | 28.552 | 0387 | 1 | Rel-18 | B | eECM | agreed |
| S5-226234 | Rel-18 CR 28.538 Add EEC request rate measurements | Intel Korea, Ltd. | 28.552 | 0388 | - | Rel-18 | B | eECM | revised |
| S5-226893 | Rel-18 CR 28.538 Add EEC request rate measurements | Intel Korea, Ltd. | 28.552 | 0388 | 1 | Rel-18 | B | eECM | not pursued |
| S5-226352 | Rel-17 CR 28.552 Add the virtualized NE energy consumption measurement | Intel Korea, Ltd. | 28.552 | 0389 | - | Rel-17 | F | eMDAS | revised |
| S5-226778 | Rel-17 CR 28.552 Add the virtualized NE energy consumption measurement | Intel Korea, Ltd. | 28.552 | 0389 | 1 | Rel-17 | F | eMDAS | not pursued |
| S5-226378 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions | ZXNE | 28.552 | 0390 | - | Rel-17 | F | ePM\_KPI\_5G | revised |
| S5-227023 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested conditional handover executions | ZXNE | 28.552 | 0390 | 1 | Rel-17 | F | ePM\_KPI\_5G | agreed |
| S5-226379 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested legacy handover executions | ZXNE | 28.552 | 0391 | - | Rel-17 | F | ePM\_KPI\_5G | revised |
| S5-227024 | Rel-17 CR for TS28.552 Correct Mean and Max Time of requested legacy handover executions | ZXNE | 28.552 | 0391 | 1 | Rel-17 | F | ePM\_KPI\_5G | agreed |
| S5-226519 | CR TS28.552 Rel-17 Correction of Wideband CQI distribution | China Unicom | 28.552 | 0392 | - | Rel-17 | A | PM\_KPI\_5G\_Ph3 | revised |
| S5-226660 | CR TS28.552 Rel-17 Correction of Wideband CQI distribution | China Unicom | 28.552 | 0392 | 1 | Rel-17 | F | PM\_KPI\_5G\_Ph3 | revised |
| S5-227072 | CR TS28.552 Rel-17 Correction of Wideband CQI distribution | China Unicom | 28.552 | 0392 | 2 | Rel-17 | F | PM\_KPI\_5G\_Ph3 | agreed |
| S5-226521 | CR TS28.552 Rel-18 Correction of Wideband CQI distribution | China Unicom | 28.552 | 0393 | - | Rel-18 | A | PM\_KPI\_5G\_Ph3 | revised |
| S5-226661 | CR TS28.552 Rel-18 Correction of Wideband CQI distribution | China Unicom | 28.552 | 0393 | 1 | Rel-18 | A | PM\_KPI\_5G\_Ph3 | revised |
| S5-227073 | CR TS28.552 Rel-18 Correction of Wideband CQI distribution | China Unicom | 28.552 | 0393 | 2 | Rel-18 | A | PM\_KPI\_5G\_Ph3 | agreed |
| S5-226522 | CR TS28.552 Add new measurement on Packet Loss Rate | China Unicom | 28.552 | 0394 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-226662 | CR TS28.552 Add new measurement on Packet Loss Rate | China Unicom | 28.552 | 0394 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | not pursued |
| S5-226614 | Rel-17 CR for TS28.552 editorialCorrections | ZXNE | 28.552 | 0395 | - | Rel-17 | F | TEI17 | revised |
| S5-226673 | Rel-17 CR for TS28.552 editorialCorrections | ZXNE | 28.552 | 0395 | 1 | Rel-17 | F | TEI17 | not pursued |
| S5-226311 | Rel-18 CR 28.554 Add a set of analytics KPIs | Huawei | 28.554 | 0102 | - | Rel-18 | B | eMDAS\_Ph2 | not pursued |
| S5-226739 | Rel-18 CR 28.554 Add a set of analytics KPIs | Huawei | 28.554 | 0102 | 1 | Rel-18 | B | eMDAS\_Ph2 | withdrawn |
| S5-226322 | Rel-18 CR TS 28.554 Add EC KPI based on vDisk usage | Huawei, Deutsche Telekom | 28.554 | 0103 | - | Rel-18 | B | EE5GPLUS\_Ph2 | not pursued |
| S5-226782 | Rel-18 CR TS 28.554 Add EC KPI based on vDisk usage | Huawei, Deutsche Telekom | 28.554 | 0103 | 1 | Rel-18 | B | EE5GPLUS\_Ph2 | withdrawn |
| S5-226517 | CR TS28.554 Add new KPI on average air-interface efficiency | China Unicom | 28.554 | 0104 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | withdrawn |
| S5-226536 | CR TS28.554 Add new KPI on average air-interface efficiency for NRCellDU | China Unicom | 28.554 | 0105 | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-226665 | CR TS28.554 Add new KPI on average air-interface efficiency for NRCellDU | China Unicom | 28.554 | 0105 | 1 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | revised |
| S5-227074 | CR TS28.554 Add new KPI on average air-interface efficiency for NRCellDU | China Unicom | 28.554 | 0105 | 2 | Rel-18 | B | PM\_KPI\_5G\_Ph3 | agreed |
| S5-226068 | Rel-17 CR 28.622 Correcting attribute definitions | Ericsson France S.A.S | 28.622 | 0177 | - | Rel-17 | F | MADCOL | revised |
| S5-226796 | Rel-17 CR 28.622 Correcting attribute definitions | Ericsson France S.A.S | 28.622 | 0177 | 1 | Rel-17 | F | MADCOL | agreed |
| S5-226069 | Rel-18 CR 28.622 Correcting attribute definitions | Ericsson France S.A.S | 28.622 | 0178 | - | Rel-18 | A | MADCOL | agreed |
| S5-226797 | Rel-18 CR 28.622 Correcting attribute definitions | Ericsson France S.A.S | 28.622 | 0178 | 1 | Rel-18 | A | MADCOL | withdrawn |
| S5-226110 | Rel-18 CR TS28.622 Add abstract IOC Controller\_ to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | 28.622 | 0179 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-226894 | Rel-18 CR TS28.622 Add abstract IOC Controller\_ to support asynchronous LCM operations | Nokia, Nokia Shanghai Bell, Ericsson | 28.622 | 0179 | 1 | Rel-18 | B | eNETSLICE\_PRO | withdrawn |
| S5-226158 | Rel-17 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2) | Huawei | 28.622 | 0180 | - | Rel-17 | F | MADCOL | revised |
| S5-226652 | Rel-17 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2) | Huawei | 28.622 | 0180 | 1 | Rel-17 | F | MADCOL | agreed |
| S5-226160 | Rel-18 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2) | Huawei | 28.622 | 0181 | - | Rel-18 | A | MADCOL | revised |
| S5-226799 | Rel-18 CR TS 28.622 Correct description for ManagementDataCollection IOC (Stage2) | Huawei | 28.622 | 0181 | 1 | Rel-18 | A | MADCOL | agreed |
| S5-226181 | Rel-17 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | 28.622 | 0182 | - | Rel-17 | F | adNRM | revised |
| S5-226776 | Rel-17 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | 28.622 | 0182 | 1 | Rel-17 | F | adNRM | revised |
| S5-227061 | Rel-17 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | 28.622 | 0182 | 2 | Rel-17 | F | adNRM | agreed |
| S5-226186 | Rel-18 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | 28.622 | 0183 | - | Rel-18 | A | adNRM | revised |
| S5-226831 | Rel-18 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | 28.622 | 0183 | 1 | Rel-18 | A | adNRM | revised |
| S5-227062 | Rel-18 CR TS 28.622 Adding a new data type to represent GeoArea via convex polygon - Stage 2 | Nokia, Nokia Shanghai Bell | 28.622 | 0183 | 2 | Rel-18 | A | adNRM | agreed |
| S5-226187 | Rel-18 CR TS 28.622 CR Stage 2 definition of Prediction and Statistics of Management data | Nokia, Nokia Shanghai Bell | 28.622 | 0184 | - | Rel-18 | B | eMDAS\_Ph2 | not pursued |
| S5-226738 | Rel-18 CR TS 28.622 CR Stage 2 definition of Prediction and Statistics of Management data | Nokia, Nokia Shanghai Bell | 28.622 | 0184 | 1 | Rel-18 | B | eMDAS\_Ph2 | withdrawn |
| S5-226194 | Rel-17 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | 28.622 | 0185 | - | Rel-17 | F | TEI17 | revised |
| S5-226741 | Rel-17 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | 28.622 | 0185 | 1 | Rel-17 | F | TEI17 | revised |
| S5-227077 | Rel-17 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | 28.622 | 0185 | 2 | Rel-17 | F | TEI17 | agreed |
| S5-226195 | Rel-18 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | 28.622 | 0186 | - | Rel-18 | A | TEI18 | revised |
| S5-226742 | Rel-18 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | 28.622 | 0186 | 1 | Rel-18 | A | TEI17 | revised |
| S5-227078 | Rel-18 CR 28.622 Add missing notifyMOIChanges in Files and File IOC | Oy LM Ericsson AB | 28.622 | 0186 | 2 | Rel-18 | A | TEI17 | agreed |
| S5-226229 | Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC | Intel Korea, Ltd. | 28.622 | 0187 | - | Rel-18 | B | eECM | not pursued |
| S5-226252 | Rel-17 CR 28.622 Correct inheritance diagram of the file download NRM fragment | Nokia, Nokia Shanghai Bell | 28.622 | 0188 | - | Rel-17 | F | TEI17, FIMA | agreed |
| S5-226253 | Rel-18 CR 28.622 Correct inheritance diagram of the file download NRM fragment | Nokia, Nokia Shanghai Bell | 28.622 | 0189 | - | Rel-18 | A | TEI17, FIMA | revised |
| S5-226735 | Rel-18 CR 28.622 Correct inheritance diagram of the file download NRM fragment | Nokia, Nokia Shanghai Bell | 28.622 | 0189 | 1 | Rel-18 | A | TEI17, FIMA | agreed |
| S5-226285 | Rel-16 CR TS 28.622 Removing reference to non-existing clause in 32.422 | Nokia, Nokia Shanghai Bell | 28.622 | 0190 | - | Rel-16 | F | eNRM | agreed |
| S5-226286 | Rel-17 CR TS 28.622 Removing reference to non-existing clause in 32.422 | Nokia, Nokia Shanghai Bell | 28.622 | 0191 | - | Rel-17 | A | eNRM | agreed |
| S5-226287 | Rel-18 CR TS 28.622 Removing reference to non-existing clause in 32.422 | Nokia, Nokia Shanghai Bell | 28.622 | 0192 | - | Rel-18 | A | eNRM | agreed |
| S5-226338 | Rel-16 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | 28.622 | 0193 | - | Rel-16 | F | TEI16 | revised |
| S5-227079 | Rel-16 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | 28.622 | 0193 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-226339 | Rel-17 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | 28.622 | 0194 | - | Rel-17 | A | TEI17 | revised |
| S5-227080 | Rel-17 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | 28.622 | 0194 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-226340 | Rel-18 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | 28.622 | 0195 | - | Rel-18 | A | TEI18 | revised |
| S5-227081 | Rel-18 CR 28.622 Update MnSAgent Definition | Ericsson Inc. | 28.622 | 0195 | 1 | Rel-18 | A | TEI16 | agreed |
| S5-226342 | Rel-17 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | 28.622 | 0196 | - | Rel-17 | F | MADCOL | revised |
| S5-226801 | Rel-17 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | 28.622 | 0196 | 1 | Rel-17 | F | MADCOL | revised |
| S5-227059 | Rel-17 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | 28.622 | 0196 | 2 | Rel-17 | F | MADCOL | revised |
| S5-227082 | Rel-17 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | 28.622 | 0196 | 3 | Rel-17 | F | MADCOL | agreed |
| S5-226343 | Rel-18 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | 28.622 | 0197 | - | Rel-18 | A | MADCOL | revised |
| S5-226802 | Rel-18 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | 28.622 | 0197 | 1 | Rel-18 | A | MADCOL | revised |
| S5-227060 | Rel-18 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | 28.622 | 0197 | 2 | Rel-18 | A | MADCOL | revised |
| S5-227083 | Rel-18 28.622 Correct ManagementDataCollection IOC definition | Ericsson Inc. | 28.622 | 0197 | 3 | Rel-18 | A | MADCOL | agreed |
| S5-226344 | Rel-17 Remove unused create link subscription attribute definition. | Ericsson Inc. | 28.622 | 0198 | - | Rel-17 | F | MADCOL | not pursued |
| S5-226345 | Rel-18 Remove unused create link subscription attribute definition. | Ericsson Inc. | 28.622 | 0199 | - | Rel-18 | A | MADCOL | not pursued |
| S5-226347 | Rel-18 Correct PerfMetricJob definition text | Ericsson Inc. | 28.622 | 0200 | - | Rel-18 | D | TEI18 | not pursued |
| S5-226368 | Rel-17 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT | Huawei | 28.622 | 0201 | - | Rel-17 | F | 5GMDT | revised |
| S5-226804 | Rel-17 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | 28.622 | 0201 | 1 | Rel-17 | F | e\_5GMDT | revised |
| S5-227090 | Rel-17 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | 28.622 | 0201 | 2 | Rel-17 | F | e\_5GMDT | agreed |
| S5-226449 | Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | 28.622 | 0202 | - | Rel-16 | F | 5GMDT | not pursued |
| S5-226451 | R17 CR 28622h30 Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | 28.622 | 0203 | - | Rel-17 | A | 5GMDT | not pursued |
| S5-226452 | R18 CR 28.622-i00 Correcting traceRecordingSessionReference property. Aligning with 32.422. | Ericsson | 28.622 | 0204 | - | Rel-18 | A | 5GMDT | not pursued |
| S5-226576 | Rel-18 CR 28.622 jobID for QMCJob | Nokia | 28.622 | 0205 | - | Rel-18 | C | eQoE | revised |
| S5-226672 | Rel-18 CR 28.622 jobID for QMCJob | Nokia | 28.622 | 0205 | 1 | Rel-18 | C | eQoE | agreed |
| S5-226617 | R18 CR 28622 Definition of parameters MDT Alignment Information and Available RAN Visible QoE Metrics | Ericsson | 28.622 | 0206 | - | Rel-18 | B | eQoE | agreed |
| S5-227064 | Rel-18 CR TS 28.622 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | 28.622 | 0207 | - | Rel-18 | A | e\_5GMDT | agreed |
| S5-226056 | YANG Corrections in Word TS | Ericsson Hungary Ltd | 28.623 | 0189 | - | Rel-18 | F | TEI18 | agreed |
| S5-226058 | YANG Corrections in Word TS | Ericsson Hungary Ltd | 28.623 | 0190 | - | Rel-17 | F | TEI17 | agreed |
| S5-226063 | FIles and File IOCs YANG | Ericsson Hungary Ltd | 28.623 | 0191 | - | Rel-18 | B | FIMA | revised |
| S5-226740 | FIles and File IOCs YANG | Ericsson Hungary Ltd | 28.623 | 0191 | 1 | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-226067 | Add missing attribute properties to YANG | Ericsson Hungary Ltd | 28.623 | 0192 | - | Rel-16 | F | TEI16 | withdrawn |
| S5-226070 | Rel-17 CR 28.623 Add YANG for ManagementDataCollection | Ericsson France S.A.S | 28.623 | 0193 | - | Rel-17 | F | MADCOL | agreed |
| S5-226071 | Rel-18 CR 28.623 Add YANG for ManagementDataCollection | Ericsson France S.A.S | 28.623 | 0194 | - | Rel-18 | A | MADCOL | agreed |
| S5-226079 | Add missing attribute properties to YANG | Ericsson Hungary Ltd | 28.623 | 0195 | - | Rel-17 | F | TEI16 | withdrawn |
| S5-226080 | Add missing attribute properties to YANG | Ericsson Hungary Ltd | 28.623 | 0196 | - | Rel-18 | A | TEI16 | withdrawn |
| S5-226096 | TS28.623 Rel-18 NRM enhancements for NFType list | Nokia, Nokia Shanghai Bell | 28.623 | 0197 | - | Rel-18 | B | AdNRM\_ph2 | agreed |
| S5-226129 | Rel-15 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.623 | 0198 | - | Rel-15 | F | TEI15 | revised |
| S5-226750 | Rel-15 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.623 | 0198 | 1 | Rel-15 | F | TEI15 | agreed |
| S5-226130 | Rel-16 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.623 | 0199 | - | Rel-16 | A | TEI15 | revised |
| S5-226751 | Rel-16 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.623 | 0199 | 1 | Rel-16 | A | TEI15 | agreed |
| S5-226131 | Rel-17 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.623 | 0200 | - | Rel-17 | A | TEI15 | revised |
| S5-226752 | Rel-17 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.623 | 0200 | 1 | Rel-17 | A | TEI15 | agreed |
| S5-226132 | Rel-18 CR TS 28.623 Add stage 3 for abstract IOC Controller\_ | Nokia, Nokia Shanghai Bell | 28.623 | 0201 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-226133 | Rel-18 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.623 | 0202 | - | Rel-18 | A | TEI15 | revised |
| S5-226753 | Rel-18 TS 28.623 Adding YANG begin and End markers | Ericsson-LG Co., LTD | 28.623 | 0202 | 1 | Rel-18 | A | TEI15 | agreed |
| S5-226159 | Rel-17 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3) | Huawei | 28.623 | 0203 | - | Rel-17 | F | MADCOL | revised |
| S5-226798 | Rel-17 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3) | Huawei | 28.623 | 0203 | 1 | Rel-17 | F | MADCOL | agreed |
| S5-226161 | Rel-18 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3) | Huawei | 28.623 | 0204 | - | Rel-18 | A | MADCOL | revised |
| S5-226800 | Rel-18 CR TS 28.623 Correct yaml definition for ManagementDataCollection IOC (Stage3) | Huawei | 28.623 | 0204 | 1 | Rel-18 | A | MADCOL | agreed |
| S5-226182 | Rel-17 CR TS 28.623 Adding a new data type to represent GeoArea via convex polygon - Stage 3 | Nokia, Nokia Shanghai Bell | 28.623 | 0205 | - | Rel-17 | F | adNRM | agreed |
| S5-226188 | Rel-18 CR TS 28.623 Adding a new data type to represent GeoArea via convex polygon - Stage 3 | Nokia, Nokia Shanghai Bell | 28.623 | 0206 | - | Rel-18 | A | adNRM | agreed |
| S5-226189 | Rel-18 CR TS 28.623 Stage 3 YAML changes for StatisticsJob and PredictionJobs IOC | Nokia, Nokia Shanghai Bell | 28.623 | 0207 | - | Rel-18 | B | eMDAS\_Ph2 | not pursued |
| S5-226230 | Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC | Intel Korea, Ltd. | 28.623 | 0208 | - | Rel-18 | B | eECM | not pursued |
| S5-226280 | R16 CR 28623-gc1 Correcting traceRecordingSessionReference property. Aligning with 32.422 and 28.622. | Ericsson | 28.623 | 0209 | - | Rel-16 | F | 5GMDT | not pursued |
| S5-226282 | R17 CR 28623-h31 Correcting traceRecordingSessionReference property. Aligning with 32.422 and 28.622. | Ericsson | 28.623 | 0210 | - | Rel-17 | A | 5GMDT | not pursued |
| S5-226288 | R18 CR 28623-i02 Correcting traceRecordingSessionReference property. Aligning with 32.422 and 28.622. | Ericsson | 28.623 | 0211 | - | Rel-18 | A | 5GMDT | not pursued |
| S5-226304 | YANG Corrections | Ericsson Hungary Ltd | 28.623 | 0212 | - | Rel-18 | F | TEI18 | agreed |
| S5-226369 | Rel-17 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT | Huawei | 28.623 | 0213 | - | Rel-17 | F | 5GMDT | revised |
| S5-226805 | Rel-17 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | 28.623 | 0213 | 1 | Rel-17 | F | e\_5GMDT | revised |
| S5-227091 | Rel-17 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | 28.623 | 0213 | 2 | Rel-17 | F | e\_5GMDT | agreed |
| S5-226383 | Rel-18 CR TS 28.623 Add stage 3 for data type AvailabilityStatus | Nokia, Nokia Shanghai Bell | 28.623 | 0214 | - | Rel-18 | B | eNETSLICE\_PRO | not pursued |
| S5-226656 | Rel-18 CR TS 28.623 Add stage 3 for data type AvailabilityStatus | Nokia, Nokia Shanghai Bell | 28.623 | 0214 | 1 | Rel-18 | B | eNETSLICE\_PRO | withdrawn |
| S5-226568 | R18 CR 28623 Definition of parameters MDT Alignment Information and Available RAN Visible QoE Metrics (stage3, YANG) | Ericsson Inc. | 28.623 | 0215 | - | Rel-18 | B | eQoE | agreed |
| S5-226642 | Rel-16 CR 28.623 Add missing attribute properties to YANG | Ericsson-LG Co., LTD | 28.623 | 0216 | - | Rel-16 | F | TEI16 | agreed |
| S5-226643 | Rel-17 CR 28.623 Add missing attribute properties to YANG | Ericsson-LG Co., LTD | 28.623 | 0217 | - | Rel-17 | A | TEI16 | agreed |
| S5-226644 | Rel-18 CR 28.623 Add missing attribute properties to YANG | Ericsson-LG Co., LTD | 28.623 | 0218 | - | Rel-18 | A | TEI16 | agreed |
| S5-227065 | Rel-18 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | 28.623 | 0219 | - | Rel-18 | A | e\_5GMDT | revised |
| S5-227092 | Rel-18 CR TS 28.623 add excess packet delay threshold for signalling-based and management-based MDT | Huawei, Ericsson, Nokia | 28.623 | 0219 | 1 | Rel-18 | A | e\_5GMDT | agreed |
| S5-226190 | Rel-18 CR TS 28.658 Enhancing EUtranRelation with NR cell as source cell | Nokia, Nokia Shanghai Bell | 28.658 | 0062 | - | Rel-18 | C | PM\_KPI\_5G\_Ph3 | agreed |
| S5-226359 | Rel-17 CR for TS32.130 delete redundant figure | ZXNE | 32.130 | 0022 | - | Rel-17 | F | TEI17 | agreed |
| S5-226123 | Rel-16 TS 32.155 Correction of scope | Ericsson-LG Co., LTD | 32.155 | 0007 | - | Rel-16 | F | TEI16 | agreed |
| S5-226124 | Rel-17 TS 32.155 Correction of scope | Ericsson-LG Co., LTD | 32.155 | 0008 | - | Rel-17 | A | TEI16 | agreed |
| S5-226083 | Clarify attributes and IOCs | Ericsson Hungary Ltd | 32.156 | 0043 | - | Rel-16 | F | TEI16 | not pursued |
| S5-226743 | Clarify attributes and IOCs | Ericsson Hungary Ltd | 32.156 | 0043 | 1 | Rel-16 | F | TEI16 | withdrawn |
| S5-226088 | Clarify attributes and IOCs | Ericsson Hungary Ltd | 32.156 | 0044 | - | Rel-17 | A | TEI16 | not pursued |
| S5-226745 | Clarify attributes and IOCs | Ericsson Hungary Ltd | 32.156 | 0044 | 1 | Rel-17 | A | TEI16 | withdrawn |
| S5-226169 | Deprecating model elements | Ericsson Hungary Ltd | 32.156 | 0045 | - | Rel-18 | B | OAM\_MetDep | revised |
| S5-226806 | Deprecating model elements | Ericsson Hungary Ltd | 32.156 | 0045 | 1 | Rel-18 | B | OAM\_MetDep | agreed |
| S5-226202 | Rel-16 CR TS 32.156 Correct the wrong example for Generalization relationship notation | Huawei | 32.156 | 0046 | - | Rel-16 | F | TEI16 | agreed |
| S5-226203 | Rel-17 CR TS 32.156 Correct the wrong example for Generalization relationship notation | Huawei | 32.156 | 0047 | - | Rel-17 | A | TEI16 | agreed |
| S5-226237 | Rel-17 CR 32.156 Clarify definitions of attribute properties | Nokia, Nokia Shanghai Bell | 32.156 | 0048 | - | Rel-17 | F | TEI17, adNRM | revised |
| S5-226744 | Rel-17 CR 32.156 Clarify definitions of attribute properties | Nokia, Nokia Shanghai Bell, Ericsson | 32.156 | 0048 | 1 | Rel-17 | F | TEI17, adNRM | revised |
| S5-227044 | Rel-17 CR 32.156 Clarify definitions of attribute properties | Nokia, Nokia Shanghai Bell, Ericsson | 32.156 | 0048 | 2 | Rel-17 | F | TEI17, adNRM | agreed |
| S5-226238 | Rel-16 CR 32.158 Clarify usage of information models | Nokia, Nokia Shanghai Bell | 32.158 | 0064 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-226756 | Rel-16 CR 32.158 Clarify usage of information models | Nokia, Nokia Shanghai Bell | 32.158 | 0064 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226239 | Rel-17 CR 32.158 Clarify usage of information models | Nokia, Nokia Shanghai Bell | 32.158 | 0065 | - | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-226757 | Rel-17 CR 32.158 Clarify usage of information models | Nokia, Nokia Shanghai Bell | 32.158 | 0065 | 1 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226240 | Rel-16 CR 32.158 Clarify format of target URIs | Nokia, Nokia Shanghai Bell | 32.158 | 0066 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226241 | Rel-17 CR 32.158 Clarify format of target URIs | Nokia, Nokia Shanghai Bell | 32.158 | 0067 | - | Rel-16 | A | TEI16, REST\_SS | revised |
| S5-226758 | Rel-17 CR 32.158 Clarify format of target URIs | Nokia, Nokia Shanghai Bell | 32.158 | 0067 | 1 | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-227045 | Rel-17 CR 32.158 Clarify format of target URIs | Nokia, Nokia Shanghai Bell | 32.158 | 0067 | 2 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226242 | Rel-16 CR 32.158 Clarify media type related aspects | Nokia, Nokia Shanghai Bell | 32.158 | 0068 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-226759 | Rel-16 CR 32.158 Clarify media type related aspects | Nokia, Nokia Shanghai Bell | 32.158 | 0068 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226243 | Rel-17 CR 32.158 Clarify media type related aspects | Nokia, Nokia Shanghai Bell | 32.158 | 0069 | - | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-226760 | Rel-17 CR 32.158 Clarify media type related aspects | Nokia, Nokia Shanghai Bell | 32.158 | 0069 | 1 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226244 | Rel-16 CR 32.158 Clarify some aspects of basic design patterns | Nokia, Nokia Shanghai Bell | 32.158 | 0070 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226245 | Rel-17 CR 32.158 Clarify some aspects of basic design patterns | Nokia, Nokia Shanghai Bell | 32.158 | 0071 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226246 | Rel-16 CR 32.158 Clarify construction rules for GET response message body formats | Nokia, Nokia Shanghai Bell | 32.158 | 0072 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226247 | Rel-17 CR 32.158 Clarify construction rules for GET response message body formats | Nokia, Nokia Shanghai Bell | 32.158 | 0073 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226248 | Rel-16 CR 32.158 Clarify design patterns for patching resources | Nokia, Nokia Shanghai Bell | 32.158 | 0074 | - | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226249 | Rel-17 CR 32.158 Clarify design patterns for patching resources | Nokia, Nokia Shanghai Bell | 32.158 | 0075 | - | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226250 | Rel-16 CR 32.158 Correct and clarify examples in Annex A | Nokia, Nokia Shanghai Bell | 32.158 | 0076 | - | Rel-16 | F | TEI16, REST\_SS | revised |
| S5-226761 | Rel-16 CR 32.158 Correct and clarify examples in Annex A | Nokia, Nokia Shanghai Bell | 32.158 | 0076 | 1 | Rel-16 | F | TEI16, REST\_SS | agreed |
| S5-226251 | Rel-17 CR 32.158 Correct and clarify examples in Annex A | Nokia, Nokia Shanghai Bell | 32.158 | 0077 | - | Rel-17 | A | TEI16, REST\_SS | revised |
| S5-226762 | Rel-17 CR 32.158 Correct and clarify examples in Annex A | Nokia, Nokia Shanghai Bell | 32.158 | 0077 | 1 | Rel-17 | A | TEI16, REST\_SS | agreed |
| S5-226061 | Add missing mapping of isNotifyable | Ericsson Hungary Ltd | 32.160 | 0029 | - | Rel-16 | F | TEI16 | agreed |
| S5-226062 | Add missing mapping of isNotifyable | Ericsson Hungary Ltd | 32.160 | 0030 | - | Rel-17 | A | TEI16 | agreed |
| S5-226192 | Deprecating model elements | Ericsson Hungary Ltd | 32.160 | 0031 | - | Rel-18 | B | OAM\_MetDep | agreed |
| S5-226137 | Rel-17 TS 32.240 Editor's Notes Removal | Nokia, Nokia Shanghai Bell | 32.240 | 0447 | - | Rel-17 | F | TEI17 | not pursued |
| S5-226138 | Rel-18 TS 32.240 Editor's Notes Removal | Nokia, Nokia Shanghai Bell | 32.240 | 0448 | - | Rel-18 | A | TEI18 | revised |
| S5-226711 | CR to Rel-18 TS 32.240 Editor's Notes Removal | Nokia, Nokia Shanghai Bell | 32.240 | 0448 | 1 | Rel-18 | F | TEI18 | agreed |
| S5-226199 | Rel-17 CR 32.240 Add the missing reference point for EES charging | Intel, MATRIXX Software | 32.240 | 0449 | - | Rel-17 | F | EDGE\_CH | agreed |
| S5-226200 | Rel-18 CR 32.240 Add the missing reference point for EES charging | Intel, MATRIXX Software | 32.240 | 0450 | - | Rel-18 | A | EDGE\_CH | agreed |
| S5-226566 | Rel-17 CR 32.240 Adding PR definitions for ProSe in Charging Architecture | CATT | 32.240 | 0451 | - | Rel-17 | F | ProSe-CH-SA5 | revised |
| S5-226866 | Rel-17 CR 32.240 Adding PR definitions for ProSe in Charging Architecture | CATT | 32.240 | 0451 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S5-226569 | Rel-18 CR 32.240 Adding PR definitions for ProSe in Charging Architecture | CATT | 32.240 | 0452 | - | Rel-18 | A | ProSe-CH-SA5 | revised |
| S5-226867 | Rel-18 CR 32.240 Adding PR definitions for ProSe in Charging Architecture | CATT | 32.240 | 0452 | 1 | Rel-18 | A | 5G\_ProSe | agreed |
| S5-226418 | Rel-17 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | 32.254 | 0023 | 2 | Rel-17 | F | TEI17 | not pursued |
| S5-226659 | Rel-17 CR 32.254 Missing operation and identifier in NEF charging information | Ericsson LM | 32.254 | 0023 | 3 | Rel-17 | F | TEI17 | withdrawn |
| S5-226466 | Rel-16 CR 32.254 Addition of the Triggers for NEF | Huawei | 32.254 | 0025 | - | Rel-16 | F | TEI16 | revised |
| S5-226843 | Rel-16 CR 32.254 Addition of the Triggers for NEF | Huawei | 32.254 | 0025 | 1 | Rel-16 | F | 5GS\_Ph1\_NEFCH | agreed |
| S5-226467 | Rel-17 CR 32.254 Addition of the Triggers for NEF | Huawei | 32.254 | 0026 | - | Rel-17 | A | TEI16 | revised |
| S5-226844 | Rel-17 CR 32.254 Addition of the Triggers for NEF | Huawei | 32.254 | 0026 | 1 | Rel-17 | A | 5GS\_Ph1\_NEFCH | agreed |
| S5-226468 | Rel-16 CR 32.254 Correction on the notifyURI for NEF Charging | Huawei | 32.254 | 0027 | - | Rel-16 | F | TEI16 | revised |
| S5-226845 | Rel-16 CR 32.254 Correction on the notifyURI for NEF Charging | Huawei | 32.254 | 0027 | 1 | Rel-16 | F | 5GS\_Ph1\_NEFCH | agreed |
| S5-226469 | Rel-17 CR 32.254 Correction on the notifyURI for NEF Charging | Huawei | 32.254 | 0028 | - | Rel-17 | A | TEI16 | revised |
| S5-226846 | Rel-17 CR 32.254 Correction on the notifyURI for NEF Charging | Huawei | 32.254 | 0028 | 1 | Rel-17 | A | 5GS\_Ph1\_NEFCH | agreed |
| S5-226424 | Rel-17 CR 32.255 Correction on usage of PLMN-ID in Charging Id | Ericsson LM | 32.255 | 0410 | - | Rel-17 | F | TEI17 | revised |
| S5-226727 | Rel-17 CR 32.255 Correction on usage of PLMN-ID in Charging Id | Ericsson LM | 32.255 | 0410 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-226462 | Rel-16 CR 32.255 Delete the change of PRA for Roaming | Huawei | 32.255 | 0411 | - | Rel-16 | F | TEI16 | agreed |
| S5-226463 | Rel-17 CR 32.255 Delete the change of PRA for Roaming | Huawei | 32.255 | 0412 | - | Rel-17 | A | TEI16 | not pursued |
| S5-226645 | Adding qbclndicator to SmPolicyDecision and QosData respectively | IPLOOK | 32.255 | 0413 | - | Rel-17 | B | TEI16 | not pursued |
| S5-226464 | Rel-16 CR 32.256 Correction on the Triggers for AMF | Huawei | 32.256 | 0008 | - | Rel-16 | F | TEI16 | agreed |
| S5-226465 | Rel-17 CR 32.256 Correction on the Triggers for AMF | Huawei | 32.256 | 0009 | - | Rel-17 | A | TEI16 | agreed |
| S5-226201 | Rel-17 CR 32.257 Add the missing reference point for EES charging | Intel, MATRIXX Software | 32.257 | 0004 | - | Rel-17 | F | EDGE\_CH | agreed |
| S5-226483 | Rel-17 CR 32.260 Addition of the IMS Charging CHF CDR | Huawei | 32.260 | 0429 | - | Rel-17 | F | TEI17, 5GSIMSCH | revised |
| S5-226871 | Rel-17 CR 32.260 Addition of the IMS Charging CHF CDR | Huawei | 32.260 | 0429 | 1 | Rel-17 | F | 5GSIMSCH | agreed |
| S5-226565 | Rel-17 CR 32.277 Adding ProSe Converge Charging Architecture in reference point representation | CATT | 32.277 | 0050 | - | Rel-17 | F | ProSe-CH-SA5 | revised |
| S5-226865 | Rel-17 CR 32.277 Adding ProSe Converge Charging Architecture in reference point representation | CATT | 32.277 | 0050 | 1 | Rel-17 | F | 5G\_ProSe | agreed |
| S5-226422 | Rel-17 CR 32.290 Missing IMS-Node for release | Ericsson LM | 32.290 | 0187 | - | Rel-17 | F | TEI17 | revised |
| S5-226725 | Rel-17 CR 32.290 Missing IMS-Node for release | Ericsson LM | 32.290 | 0187 | 1 | Rel-17 | F | 5GSIMSCH | agreed |
| S5-226423 | Rel-18 CR 32.290 Missing IMS-Node for release | Ericsson LM | 32.290 | 0188 | - | Rel-18 | A | TEI17 | revised |
| S5-226726 | Rel-18 CR 32.290 Missing IMS-Node for release | Ericsson LM | 32.290 | 0188 | 1 | Rel-18 | A | 5GSIMSCH | agreed |
| S5-226471 | Rel-17 CR 32.290 Correction of Charging notification | Huawei | 32.290 | 0189 | - | Rel-17 | F | TEI17 | revised |
| S5-226868 | Rel-17 CR 32.290 Correction of Charging notification | Huawei | 32.290 | 0189 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-226472 | Rel-18 CR 32.290 Correction of Charging notification | Huawei | 32.290 | 0190 | - | Rel-18 | A | TEI17 | revised |
| S5-226869 | Rel-18 CR 32.290 Correction of Charging notification | Huawei | 32.290 | 0190 | 1 | Rel-18 | A | TEI17 | agreed |
| S5-226475 | Rel-17 CR 32.290 Addition of the NF consumer for EC Charging | Huawei | 32.290 | 0191 | - | Rel-17 | F | TEI17, EDGE\_CH | agreed |
| S5-226476 | Rel-18 CR 32.290 Addition of the NF consumer for EC Charging | Huawei | 32.290 | 0192 | - | Rel-18 | A | TEI17, EDGE\_CH | agreed |
| S5-226481 | Rel-17 CR 32.290 Clarification on the CHF-controlled quota management | Huawei | 32.290 | 0193 | - | Rel-17 | F | TEI17 | not pursued |
| S5-226482 | Rel-18 CR 32.290 Clarification on the CHF-controlled quota management | Huawei | 32.290 | 0194 | - | Rel-18 | F | TEI17 | not pursued |
| S5-226419 | Rel-17 CR 32.291 Missing operation and identifier in NEF charging information | Ericsson LM | 32.291 | 0391 | 2 | Rel-17 | F | TEI17 | not pursued |
| S5-226139 | Rel-18 CR 32.291 Handling of Retry Correction | Nokia, Nokia Shanghai Bell | 32.291 | 0430 | - | Rel-18 | F | TEI18 | revised |
| S5-226712 | Rel-17 CR 32.291 Handling of Retry Correction | Nokia, Nokia Shanghai Bell | 32.291 | 0430 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-226140 | Rel-18 CR 32.291 SIP Request/Answer with different Timestamps | Nokia, Nokia Shanghai Bell | 32.291 | 0431 | - | Rel-18 | C | TEI18 | revised |
| S5-226713 | Rel-17 CR 32.291 SIP Request/Answer with different Timestamps | Nokia, Nokia Shanghai Bell | 32.291 | 0431 | 1 | Rel-17 | F | 5GSIMSCH | agreed |
| S5-226196 | Rel-17 CR 32.291 Add SMF Charging Id in Offline Charging | Amdocs | 32.291 | 0432 | - | Rel-17 | F | TEI17 | revised |
| S5-226716 | Rel-17 CR 32.291 Add SMF Charging Id in Offline Charging | Amdocs | 32.291 | 0432 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-226197 | Rel-16 CR 32.291 Correcting SMSF as Node Functionality | Amdocs | 32.291 | 0433 | - | Rel-16 | F | TEI16 | agreed |
| S5-226198 | Rel-17 CR 32.291 Correcting SMSF as Node Functionality | Amdocs | 32.291 | 0434 | - | Rel-17 | F | TEI17 | revised |
| S5-226717 | Rel-17 CR 32.291 Correcting SMSF as Node Functionality | Amdocs | 32.291 | 0434 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-226220 | Rel-16 CR 32.291 Correcting Node Functionality in Offline Charging | Amdocs | 32.291 | 0435 | - | Rel-16 | F | TEI16 | withdrawn |
| S5-226221 | Rel-17 CR 32.291 Case Mismatch for Management Operation | Amdocs | 32.291 | 0436 | - | Rel-17 | F | TEI17 | revised |
| S5-226719 | Rel-17 CR 32.291 Case Mismatch for Management Operation | Amdocs | 32.291 | 0436 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-226324 | Rel-17 CR 32.291 Add Missing Consumers in Converged Charging | Amdocs | 32.291 | 0437 | - | Rel-17 | F | TEI17 | revised |
| S5-226720 | Rel-17 CR 32.291 Add Missing Consumers in Converged Charging | Amdocs | 32.291 | 0437 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-226328 | Rel-16 CR 32.291 Add Missing Result Code | Amdocs | 32.291 | 0438 | - | Rel-16 | F | TEI16 | not pursued |
| S5-226329 | Rel-15 CR 32.291 Add Missing Result Code | Amdocs | 32.291 | 0439 | - | Rel-15 | F | TEI15 | not pursued |
| S5-226330 | Rel-17 CR 32.291 Add Missing Result Code | Amdocs | 32.291 | 0440 | - | Rel-17 | F | TEI17 | revised |
| S5-226721 | Rel-17 CR 32.291 Correction on Result Code | Amdocs | 32.291 | 0440 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-226331 | Rel-16 CR 32.291 Correction of Trigger Types in Offline Charging | Amdocs | 32.291 | 0441 | - | Rel-16 | F | TEI16 | agreed |
| S5-226332 | Rel-17 CR 32.291 Correction of Trigger Types in Offline Charging | Amdocs | 32.291 | 0442 | - | Rel-17 | F | TEI17 | revised |
| S5-226722 | Rel-17 CR 32.291 Correction of Trigger Types in Offline Charging | Amdocs | 32.291 | 0442 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-226335 | Rel-16 CR 32.291 Case Mismatch for Management Operation | Amdocs | 32.291 | 0443 | - | Rel-16 | F | TEI16 | revised |
| S5-226718 | Rel-16 CR 32.291 Case Mismatch for Management Operation | Amdocs | 32.291 | 0443 | 1 | Rel-16 | F | TEI16 | agreed |
| S5-226425 | Rel-18 CR 32.291 Addition of MMS converged charging information | Ericsson LM | 32.291 | 0444 | - | Rel-18 | B | MMS\_CH\_SBI | revised |
| S5-226691 | Rel-18 CR 32.291 Addition of MMS converged charging information | Ericsson LM | 32.291 | 0444 | 1 | Rel-18 | B | MMS\_CH\_SBI | agreed |
| S5-226473 | Rel-17 CR 32.291 Charging notification Failover | Huawei | 32.291 | 0445 | - | Rel-17 | F | TEI17 | revised |
| S5-226870 | Rel-17 CR 32.291 Charging notification Failover | Huawei | 32.291 | 0445 | 1 | Rel-17 | F | TEI17 | agreed |
| S5-226477 | Rel-17 CR 32.291 Addition of the NodeFunctionality for EC | Huawei | 32.291 | 0446 | - | Rel-17 | F | TEI17, EDGE\_CH | agreed |
| S5-226479 | Rel-16 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging | Huawei,Amdocs | 32.291 | 0447 | - | Rel-16 | F | TEI16 | revised |
| S5-226723 | Rel-16 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging | Huawei,Amdocs | 32.291 | 0447 | 1 | Rel-16 | F | OFSBI\_CH | agreed |
| S5-226480 | Rel-17 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging | Huawei,Amdocs | 32.291 | 0448 | - | Rel-17 | A | TEI16 | revised |
| S5-226724 | Rel-17 CR 32.291 Correction on the Nchf\_OfflineOnlyCharging | Huawei,Amdocs | 32.291 | 0448 | 1 | Rel-17 | A | OFSBI\_CH | agreed |
| S5-226683 | Rel-16 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0449 | - | Rel-16 | F | TEI16 | agreed |
| S5-226684 | Rel-17 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0450 | - | Rel-17 | F | TEI17 | agreed |
| S5-226873 | Rel-18 CR 32.291 Update OpenAPI version | Huawei | 32.291 | 0451 | - | Rel-18 | F | TEI18 | agreed |
| S5-226420 | Rel-17 CR 32.298 Missing operation and identifier in NEF charging information | Ericsson LM | 32.298 | 0896 | 2 | Rel-17 | F | TEI17 | not pursued |
| S5-226141 | Rel-18 CR 32.298 gNbValue datatype size correction | Nokia, Nokia Shanghai Bell | 32.298 | 0917 | - | Rel-18 | F | TEI18 | revised |
| S5-226714 | Rel-17 CR 32.298 gNbValue datatype size correction | Nokia, Nokia Shanghai Bell | 32.298 | 0917 | 1 | Rel-17 | A | TEI16 | agreed |
| S5-226323 | Rel-17 CR 32.298 Add IMS Node in CHF CDRs | Amdocs | 32.298 | 0918 | - | Rel-17 | F | TEI17 | agreed |
| S5-226421 | Rel-17 CR 32.298 Correction presence reporting in roaming QBC information | Ericsson LM | 32.298 | 0919 | - | Rel-17 | F | TEI17 | agreed |
| S5-226426 | Rel-18 CR 32.298 Addition of MMS converged charging information | Ericsson LM | 32.298 | 0920 | - | Rel-18 | B | MMS\_CH\_SBI | revised |
| S5-226692 | Rel-18 CR 32.298 Addition of MMS converged charging information | Ericsson LM | 32.298 | 0920 | 1 | Rel-18 | B | MMS\_CH\_SBI | agreed |
| S5-226478 | Rel-17 CR 32.298 Addition of the EES in the CHF CDR | Huawei | 32.298 | 0921 | - | Rel-17 | F | TEI17, EDGE\_CH | revised |
| S5-226847 | Rel-17 CR 32.298 Addition of the EES in the CHF CDR | Huawei | 32.298 | 0921 | 1 | Rel-17 | F | TEI17, EDGE\_CH | agreed |
| S5-226484 | Rel-17 CR 32.298 Addition of the IMS Charging in the CHF CDR | Huawei | 32.298 | 0922 | - | Rel-17 | F | TEI17, 5GSIMSCH | revised |
| S5-226872 | Rel-17 CR 32.298 Addition of the IMS Charging in the CHF CDR | Huawei | 32.298 | 0922 | 1 | Rel-17 | F | 5GSIMSCH | agreed |
| S5-226486 | Rel-17 CR 32.298 Addition of the Triggers in the CHF CDR | Huawei | 32.298 | 0923 | - | Rel-17 | F | TEI17 | not pursued |
| S5-226715 | Rel-16 CR 32.298 gNbValue datatype size correction | Nokia, Nokia Shanghai Bell | 32.298 | 0924 | - | Rel-16 | F | TEI16 | agreed |
| S5-226367 | Rel-17 CR TS 32.422 add excess packet delay threshold for signalling-based and management-based MDT | Huawei | 32.422 | 0406 | - | Rel-17 | F | 5GMDT | revised |
| S5-226803 | Rel-17 CR TS 32.422 add excess packet delay threshold for signalling-based and management-based MDT | Huawei | 32.422 | 0406 | 1 | Rel-17 | F | e\_5GMDT | agreed |
| S5-226174 | Rel-16 CR 32.423 Fixing the representation of the payload size in the figure for trace payload | Nokia, Nokia Shanghai Bell | 32.423 | 0137 | - | Rel-16 | F | 5GMDT | agreed |
| S5-226183 | Rel-17 CR 32.423 Fixing the representation of the payload size in the figure for trace payload | Nokia, Nokia Shanghai Bell | 32.423 | 0138 | - | Rel-17 | A | 5GMDT | agreed |
| S5-226625 | R17 CR 32.423 Indicate SCP/SEPP info in UE Trace Record | Ericsson | 32.423 | 0139 | - | Rel-17 | F | TEI17 | agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S5-226015 |  | LS on customer acceptance of limited QoS degradation to save energy in the network. | GSMA | replied to | S5-227038 |
| S5-226016 |  | LS on East/West Bound Interface for Telco Edge consideration | GSMA | noted | (none) |
| S5-226017 |  | LS on Network federation interface for Telco edge consideration | GSMA | noted | (none) |
| S5-226018 |  | LS on Network integration interface for Telco edge consideration | GSMA | noted | (none) |
| S5-226019 |  | Resubmitted LS to 3GPP SA5 on UE to application server latency | GSMA | postponed | (none) |
| S5-226020 |  | Resubmitted LS on M6 Delay Threshold | R3-224079 | replied to | S5-227040 |
| S5-226021 |  | LS on introduction of a new attribute “Only Resource Coordination” to support source coordination between LTE and NR SA | R3-225206 | postponed | (none) |
| S5-226022 |  | Reply LS ccSA5 on the user consent for trace reporting | R3-225250 | noted | (none) |
| S5-226023 |  | LS on NCR Solutions | R3-225253 | postponed | (none) |
| S5-226024 |  | Reply LS to Study on KQIs for 5G service experience | S4-221120 | postponed | (none) |
| S5-226025 |  | Reply LS to SA5 on TS 28.404/TS 28.405 Clarification | S4-221121 | postponed | (none) |
| S5-226026 |  | Reply LS ccSA5 to OPAG\_34\_Doc\_07\_OPAG\_LS ETSI-3GPP-Network integration | S6-222337 | noted | (none) |
| S5-226027 |  | Reply LS on “Reply LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation” | S6-222344 | postponed | (none) |
| S5-226028 |  | Forward on S6-222332, LS on Network federation interface for Telco edge consideration | S6-222543 | replied to | S5-227039 |
| S5-226029 |  | Reply LS cc SA5 on UE to application server latency | S6-222556 | noted | (none) |
| S5-226030 |  | Reply LS ccSA5 to Network federation interface for Telco edge consideration | S6-222557 | noted | (none) |
| S5-226031 |  | Resubmitted LS on Publication of GS ZSM009-2 and information about related ETSI ISG ZSM work | ETSI ISG ZSM | noted | (none) |
| S5-226032 |  | Resubmitted LS on RAN3 agreements for NR QoE | R3-222890 | postponed | (none) |
| S5-226033 |  | Resubmitted LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541 | O-RAN | postponed | (none) |
| S5-226034 |  | Reply LS on beam measurement reports | R3-225273 | noted | (none) |
| S5-226072 |  | Ls ccSA5 on 5G capabilities exposure for factories of the future – identified gaps | 5G-ACIA | noted | (none) |
| S5-226073 |  | LS ccSA5 on user consent of Non-public Network | R3-226006 | noted | (none) |
| S5-226074 |  | LS reply on Reference point allocation to support charging services | S2-2209259 | noted | (none) |
| S5-226075 |  | LS on reporting dynamic satellite backhaul parameters to CHF | S2-2209607 | replied to | S5-226685 |
| S5-226076 |  | LS on possibility of providing per UE speed and orientation on FS\_eNA\_Ph3 | S2-2209656 | replied to | S5-226547 |
| S5-226077 |  | LS on shared EHE and HR PDU session with SBO in V-PLMN | S2-2209884 | postponed | (none) |
| S5-226078 |  | Reply LS ccSA5 on NCR Solutions | S3-223080 | noted | (none) |
| S5-226082 |  | LS on Autonomous Networks deliverables from ITU FG-AN | ITU-T | noted | (none) |
| S5-226086 |  | LS ccSA5 on related EAS | S6-223029 | noted | (none) |
| S5-226646 |  | LS reply to 3GPP SA2 on shared EHE and HR PDU session with SBO in V-PLMN | GSMA | postponed | (none) |
| S5-226728 | ETSI\_TC\_EE(22)062031 | LS on Updating Dynamic Measurement Method for both LTE & NR (ETSI\_TC\_EE(22)062031; to: SA5, TEC India, ATIS STEP TEE, ITU-T SG5; cc: -; contact: Nokia) | ETSI TC EE | noted | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-226547 | Reply LS to S2-2209656 = S5-226076 on possibility of providing per UE speed and orientation on FS\_eNA\_Ph3 (to: SA2; cc: SA; contact: Samsung) | SA2 | SA | S2-2209656 = S5-226076 |
| S5-226685 | Reply LS to S2-2209607 = S5-226075 on reporting dynamic satellite backhaul parameters to CHF (to: SA2; cc: -; contact: CATT) | SA2 | - | S2-2209607 = S5-226075 |
| S5-227038 | Reply LS to GSMA LS S5-226015 on customer acceptance of limited QoS degradation to save energy in the network (to: GSMA NG ENSWI; cc: NGMN GFN, SA; contact: Huawei) | GSMA NG ENSWI | NGMN GFN, SA | S5-226015 |
| S5-227039 | Reply LS to S6-222543 = S5-226028 on Network federation interface for Telco edge consideration and proposals to answer GSMA LSs S5-226016 and S5-226017 from SA (to: SA, SA6; cc: SA2; contact: Samsung) | SA, SA6 | SA2,SA3 | S6-222543= S5-226028, S5-226016, S5-226017 |
| S5-227040 | Reply LS to R3-224079 = S5-224326 on M6 Delay Threshold (to: RAN3, RAN2; cc: -; contact: Ericsson) | RAN3, RAN2 | - | R3-224079 = S5-224326 |
| S5-227042 | LS on handover failures related to MRO for inter-system mobility (to: RAN3; cc: RAN2; contact: Nokia) | RAN3 | RAN2 | - |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S5-226687 | New SID CHF Segmentation | Nokia, Nokia Shanghai Bell | SID new |
| S5-226689 | New SID on 5G Advanced Charging | Huawei | SID new |
| S5-226690 | New study item on Satellite Charging | CATT | SID new |
| S5-226688 | New WID on enhanced Network slice Charging in 5G System | MATRIXX Software | WID new |
| S5-227041 | Rel-18 New WID Enhancement of Management of Trace/MDT phase 2 | Nokia, Nokia Shanghai Bell | WID new |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S5-226627 | 28.842 | 0.0.0 | Rel-18 Draft TR 28.842 Study on data management phase 2 Skeleton |
| S5-226678 | 32.847 | 1.5.0 | Draft TR 32.847 v1.5.0 |
| S5-226679 | 28.826 | 1.1.0 | Draft TR 28.826 v1.1.0 |
| S5-226680 | 28.827 | 1.5.0 | Draft TR 28.827 v1.5.0 |
| S5-226681 | 28.828 | 1.1.0 | Draft TR 28.828 v1.1.0 |
| S5-226682 | 28.839 | 0.3.0 | Draft TR 28.839 v0.3.0 |
| S5-226874 | 28.317 | 0.2.0 | TS 28.317 v0.2.0 on Management and orchestration;Self-configuration of Radio Access Network Entities (RAN NEs) |
| S5-226875 | 28.824 | 0.10.0 | TR 28.824 v0.10.0 on Study on on network slice management capability exposure |
| S5-226876 | 28.829 | 0.5.0 | TR 28.829 v0.5.0 on Study on network and service operations for energy utilities |
| S5-226877 | 28.831 | 0.5.0 | TR 28.831 v0.5.0 on Study on basic Service-Based Management Architecture (SBMA) enabler enhancements |
| S5-226878 | 28.832 | 0.4.0 | TR 28.832 v0.4.0 on Study on management aspects of Ultra-Reliable and Low Latency Communication (URLLC) |
| S5-226879 | 28.833 | 0.5.0 | TR 28.833 v0.5.0 on Study on management aspects of 5GLAN |
| S5-226880 | 28.834 | 0.4.0 | TR 28.834 v0.4.0 on Study on management of cloud-native Virtualized Network Functions (VNF) |
| S5-226881 | 28.835 | 0.5.0 | TR 28.835 v0.5.0 on Study on management aspects of 5G Multiple Operator Core Network (MOCN) network sharing phase2 |
| S5-226882 | 28.836 | 0.3.0 | TR 28.836 v0.3.0 on Study on intent-driven management for network slicing |
| S5-226883 | 28.837 | 0.5.0 | TR 28.837 v0.5.0 on Study on management of trace/ Minimization of Drive Tests (MDT) phase 2 |
| S5-226884 | 28.838 | 0.2.0 | TR 28.838 v0.2.0 on Study on measurement data collection to support RAN intelligence |
| S5-226885 | 28.841 | 0.3.0 | TR 28.841 v0.3.0 on Study on management aspects of IoT NTN enhancements |
| S5-226886 | 28.863 | 0.4.0 | TR 28.863 v0.4.0 on Study on Key Quality Indicators (KQIs) for 5G service experience |
| S5-226887 | 28.864 | 0.5.0 | TR 28.864 v0.5.0 on Study on Enhancement of the management aspects related to NetWork Data Analytics Functions (NWDAF) |
| S5-226888 | 28.907 | 1.1.0 | TR 28.907 v1.1.0 on Study on enhancement of management of non-public networks |
| S5-226889 | 28.908 | 0.5.0 | TR 28.908 v0.5.0 on Study on Artificial Intelligence/Machine Learning (AI/ ML) management |
| S5-226890 | 28.912 | 1.1.0 | TR 28.912 v1.1.0 on Study on enhanced intent driven management services for mobile networks |
| S5-226891 | 28.913 | 0.4.0 | TR 28.913 v0.4.0 on Study on new aspects of EE for 5G networks phase 2 |
| S5-226892 | 28.925 | 0.9.0 | TR 28.925 v0.9.0 on Study on enhancement of service based management architecture |
| S5-227085 | 28.842 | 0.1.0 | TR 28.842 v0.1.0 on Study on data management phase 2 |
| S5-227089 | 32.847 | 1.5.0 | Draft TR 32.847 v1.5.0 |

## Annex F: List of participants

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented | Organization Represented Category Code |
| Dr. | Al-kanani | Hassan | NEC Europe Ltd | NEC Europe Ltd | ETSI |
| Mr. | Audebert | Vincent | EDF Recherche et Développement | EDF Recherche et Développement | ETSI |
| Mrs. | Ayani | Zhulia | Ericsson LM | Ericsson-LG Co., LTD | TTA |
| Dr. | Bishnoi | Pritam | TSDSI | TSDSI | TSDSI |
| Dr. | Boubendir | Amina | Airbus | Airbus | ETSI |
| Dr. | Cetinkaya | Egemen | Verizon UK Ltd | Verizon Denmark | ETSI |
| Dr. | Chan | Yee Sin | Meta Ireland | Facebook India | TSDSI |
| Dr. | Chaudhari | Amar | IIIT Delhi | IIT Delhi | TSDSI |
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| Miss | Hu | Yushuang | China Mobile Com. Corporation | CMDI | CCSA |
| Mr. | Huang | Zhenning | China Mobile Com. Corporation | China Mobile Group Device Co. | CCSA |
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| Mr. | Li | Zhijun | ZTE Corporation | ZTE Corporation | ETSI |
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| Mr. | Liu | Yue | China Mobile Com. Corporation | China Mobile International Ltd | CCSA |
| Mr. | Luetzenkirchen | Thomas | Intel Deutschland GmbH | Intel Deutschland GmbH | ETSI |
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| Mr. | SINHA | UTSAV | Samsung R&D Institute India | Samsung Electronics Nordic AB | ETSI |
| Mr. | Smith | David K. | AT&T GNS Belgium SPRL | AT&T | ATIS |
| Mrs. | song | hua | China Mobile Com. Corporation | China Mobile (Suzhou) Software | CCSA |
| Mr. | Song | Yue | China Mobile Com. Corporation | China Mobile (Hangzhou) Inf. | CCSA |
| Mr. | Srinivasan | Suresh | Intel | Intel K.K. | ARIB |
| Miss | Srinivasaraju | Srilakshmi | Nokia Corporation | Nokia Hungary | ETSI |
| Mr. | Stojanovski | Saso | Intel Deutschland GmbH | Intel Finland Oy | ETSI |
| Mrs. | Subudhi | Jyotirmayee | Indian Institute of Tech (M) | Indian Institute of Tech (M) | TSDSI |
| Mr. | Sun | Sean | Nokia Shanghai Bell | Nokia Shanghai Bell | CCSA |
| Dr. | Sun | Tao | China Mobile M2M Company Ltd. | China Mobile M2M Company Ltd. | CCSA |
| Mr. | Suzuki | Yuji | NTT DOCOMO INC. | DOCOMO Beijing Labs | CCSA |
| Mr. | Swaminathan | Sivaramakrishnan | Nokia Germany | Nokia Solutions & Networks (I) | TSDSI |
| Mr. | Takahashi | Tomohiko | ITOCHU Techno-Solutions Corp | ITOCHU Techno-Solutions Corp | TTC |
| Mr. | Toche | Christian | Huawei Technologies France | Huawei Technologies France | ETSI |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson España S.A. | ETSI |
| Dr. | Toufik | Issam | ETSI | ETSI | ETSI |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM | ETSI |
| Mr. | Vaishnavi | Ishan | Nokia Germany | Nokia Germany | ETSI |
| Mr. | Volnay | Christophe | ETSI | ETSI | ETSI |
| Miss | Wang | Menghan | ZTE Corporation | Nubia Technology Co.,Ltd | CCSA |
| Ms. | WEI | QUN | China Unicom | BTPDI | CCSA |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software | ETSI |
| Mr. | Xie | Baoguo | ZTE Corporation | ZTE Wistron Telecom AB | ETSI |
| Mr. | Xing | TianQi | China Unicom | CU Digital Technology | CCSA |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co.. Ltd | Huawei Device Co., Ltd | CCSA |
| Miss | Yan | Xiaojian | ZTE Corporation | CALTTA | CCSA |
| Dr. | Yang | Ning | Guangdong OPPO Mobile Telecom. | Guangdong OPPO Mobile Telecom. | CCSA |
| Dr. | Yang | Xudong | Huawei Technologies France | HUAWEI Technologies Japan K.K. | ARIB |
| Dr. | Yao | Ge | China Unicom | VSENS | CCSA |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel Technology Poland SP Zoo | ETSI |
| Dr. | Yi | Yunjung | CableLabs | CableLabs | ETSI |
| Dr. | Zhang | Dawei | Apple France | Apple France | ETSI |
| Mr. | Zhang | Jian | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Japan K.K. | TTC |
| Mr. | Zhang | Kai | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies R&D UK | ETSI |
| Dr. | Zhao | Shuai | Intel | Intel Sweden AB | ETSI |
| Miss | Zhou | Xingyue | ZTE Corporation | ZTE Corporation. | CCSA |
| Mr. | Zhu | Chunhui | Beijing Xiaomi Mobile Software | Beijing Xiaomi Electronics | CCSA |
| Mr. | Zhu | Jianchi | China Telecommunications | China Telecommunications | ETSI |
| Mr. | Zhu | Jinguo | ZTE Corporation. | ZONSON | CCSA |
| Mr. | Zhu | Lei | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies (Korea) | TTA |
| Mrs. | Zhu | Wenruo | HuaWei Technologies Co., Ltd | HUAWEI TECH. GmbH | ETSI |
| Ms. | Zou | Lan | Huawei Tech.(UK) Co.. Ltd | HuaWei Technologies Co., Ltd | CCSA |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#146-bis-e | 2023-01-16 | 2023-01-19 | Online |  | S5-146 |
| SA5#147 | 2023-02-27 | 2023-03-03 | Athens | GR | S5-147 |
| SA5#148 | 2023-04-17 | 2023-04-21 | TBD | US | S5-148 |
| SA5#149 | 2023-05-22 | 2023-05-26 | EU | EU | S5-149 |
| SA5#150 | 2023-08-21 | 2023-08-25 | EU | EU | S5-150 |
| SA5#151 | 2023-10-09 | 2023-10-13 | Japan | JP | S5-151 |
| SA5#152 | 2023-11-13 | 2023-11-17 | 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 |