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

 **Meeting Report
for
TSG SA WG5
meeting: 144e**

**Online, Electronic meeting, 27/06/2022 to 01/07/2022**

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## 1 Opening of the meeting

NOTE: a summary of the email discussions and the conference calls for OAM and Plenary can be found in tdoc **S5-224007.** For Charging, the tdocs **S5-224444** and **S5-224009** give an overview of the discussions and results.

## 2 Approval of the agenda

**S5-224000 Agenda**

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

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

## 3 IPR and legal declaration

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

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

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

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

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

## 4 Meetings and activities reports

### 4.1 Last SA5 meeting report

**S5-224001 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

**S5-224002 e-meeting process**

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

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

**S5-224003 Post e-meeting email approval status**

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

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

**S5-224010 SA5 working procedures**

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

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

**S5-224014 Process for management of draft TS-TRs**

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

**Decision:** The document was **revised to S5-224344**.

**S5-224344 Process for management of draft TS-TRs**

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

(Replaces S5-224014)

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

**S5-224028 SA5 Working Procedures**

 *Type: other For: Approval
 Source: Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-224346**.

**S5-224346 SA5 Working Procedures**

 *Type: other For: Approval
 Source: Nokia Shanghai Bell*

(Replaces S5-224028)

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

### 5.2 Technical issues at SA5 level

**S5-224296 SA5 work item and study items**

 *Type: other For: Endorsement
 Source: Ericsson,Deutsche Telekom*

**Decision:** The document was **revised to S5-224380**.

**S5-224380 SA5 work item and study items**

 *Type: other For: Endorsement
 Source: Ericsson*

(Replaces S5-224296)

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

### 5.3 Liaison statements at SA5 level

**S5-224316 Reply LS ccSA5 on Logical relationship between query parameters**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: C1-223711*

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

**S5-224319 Reply LS ccSA5 on Logical relationship between query parameters**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: C3-223457*

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

**S5-224323 RE: LS on Inclusive language updates related to BBF TR-196**

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

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

**S5-224329 Reply LSccSA5 on Issues Network Slice information delivery to a 3rd party**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: S1-221224*

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

**S5-224332 Reply LS ccSA5 on Logical relationship between query parameters**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: S4-220796*

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

**S5-224334 Reply LS to the clarification of Dynamic EAS instantiation triggering**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: S6-221486*

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

**S5-224336 LS ccSA5 on potential IPR issues**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: SP-220712*

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

**S5-224337 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 **postponed**.

### 5.4 SA5 meeting calendar

**S5-224015 SA5 meeting calendar**

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

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

## 6 OAM&P

### 6.1 OAM&P Plenary

**S5-224004 OAM&P action list**

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

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

**S5-224005 agenda\_with\_Tdocs\_sequence\_proposal\_OAM**

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

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

**S5-224006 OAM Exec Report**

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

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

**S5-224007 OAM Chair notes and conclusions**

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

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

**S5-224011 Collection of useful endorsed document and external communication documents**

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

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

**S5-224012 Collection of Rel-18 3GPP SA5 OAM WoP**

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

**Decision:** The document was **revised to S5-224345**.

**S5-224345 Collection of Rel-18 3GPP SA5 OAM WoP**

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

(Replaces S5-224012)

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

**S5-224013 Living document for stage 2-3 alignment**

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

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

**S5-224019 DP on number of OAM Rel-18 work/study items**

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

**Decision:** The document was **revised to S5-224381**.

**S5-224381 DP on number of OAM Rel-18 work/study items**

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

(Replaces S5-224019)

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

**S5-224056 LS on 3GPP SA5 work on intent driven management**

 *Type: LS out For: Approval
 to TM Forum, ETSI ZSM, ETSI NFV IFA
 Source: Huawei*

**Decision:** The document was **revised to S5-224343**.

**S5-224343 LS on 3GPP SA5 work on intent driven management**

 *Type: LS out For: Approval
 to TM Forum, ETSI ZSM, ETSI NFV IFA, ITU-T SG2
 Source: Huawei*

(Replaces S5-224056)

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

**S5-224063 Discussion for LS of dynamic EAS VNF instantiation**

 *Type: discussion For: Approval
 Source: Intel Korea, Ltd.*

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

**S5-224064 Reply LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation**

 *Type: LS out For: Approval
 to SA6
 Source: Intel Korea, Ltd.*

**Decision:** The document was **revised to S5-224387**.

**S5-224387 Reply LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation**

 *Type: LS out For: Approval
 to SA6
 Source: Intel Korea, Ltd.*

(Replaces S5-224064)

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

**S5-224089 DP on PM/KPI based analytics**

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

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

**S5-224176 Discussion on Date/Time Format Definition**

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

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

**S5-224223 Reply LS to SA6 on DN energy efficiency data analytics**

 *Type: LS out For: Agreement
 to SA6, cc SA1, SA
 Source: Huawei Technologies France*

**Decision:** The document was **revised to S5-224342**.

**S5-224342 Reply LS to SA6 on DN energy efficiency data analytics**

 *Type: LS out For: Agreement
 to SA6, cc SA1, SA
 Source: Huawei Technologies France*

(Replaces S5-224223)

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

**S5-224225 Discussion of Open-Source-Defined 6G Core Network (CN)**

 *Type: discussion For: (not specified)
 Source: Xidian University*

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

**S5-224259 Discussion Paper Federated network modelling for EP\_Transport**

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

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

**S5-224317 Reply LS ccSA5 on NR QoE**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: C1-224182*

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

**S5-224321 Answer to liaison IN EEPS(22)061016**

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

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

**S5-224322 Liaison Response to 3GPP TSG-SA5 for Network**

**Slice Ordering, Provisioning & Assurance**

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

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

**S5-224324 Resubmitted LS on RAN3 agreements for NR QoE**

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

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

**S5-224325 Reply LS on User Consent Updating**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: R3-224076*

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

**S5-224326 LS on M6 Delay Threshold**

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

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

**S5-224327 Response LS on changes over E1AP due to RACH NSA Measurements**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: R3-224080*

**Decision:** The document was **replied to in S5-224341**.

**S5-224341 Reply to: Response LS on changes over E1AP due to RACH NSA Measurements**

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

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

**S5-224328 Reply LS on Report Amount for M4, M5, M6 and M7 measurements**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: R3-224084*

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

**S5-224330 LS on O-RAN – UML models and tools to be used by 3GPP SA5**

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

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

**S5-224331 LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541**

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

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

**S5-224333 LS on DN energy efficiency data analytics**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: S6-221347*

**Decision:** The document was **replied to in S5-224342**.

**S5-224335 LS/r on study on KQIs for 5G service experience (reply to 3GPP TSG SA5-LS35)**

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

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

**S5-224338 Resubmitted LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation**

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

**Decision:** The document was **replied to in S5-224387**.

**S5-224339 LS/r on methodology harmonization update (reply to 3GPP TSG SA5-S5-222570)**

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

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

**S5-224340 Reply LS on methodology harmonization update (reply to S5-224339/SG2-LS26)**

 *Type: LS out For: discussion
 to ITU-T
 Source: Ericsson*

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

### 6.2 New OAM&P Work Item proposals

**S5-224016 Rel-18 New WID on enhancement of governance and monitoring of closed control loop**

 *Type: WID new For: Agreement
 Source: ZTE Corporation, China Telecom*

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

**S5-224190 Study on Data Management**

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

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

**S5-224235 New WID on operational testing support for 3GPP NFs**

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

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

**S5-224238 New R18 SID on conflict management**

 *Type: SID new For: Approval
 Source: Lenovo Future Communications*

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

**S5-224258 New SID on management aspects of computing network convergence**

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

**Abstract:**

New SID on management aspects of computing network convergence

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

**S5-224260 New SID on management aspects of Digital Twin Network**

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

**Abstract:**

New SID on management aspects of Digital Twin Network

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

**S5-224270 New Rel-18 WID Enhancement of Management Data Analytics phase 2**

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

(Replaces S5-223486)

**Decision:** The document was **revised to S5-224384**.

**S5-224384 New Rel-18 WID Enhancement of Management Data Analytics phase 2**

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

(Replaces S5-224270)

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

**S5-224295 New WID on methodology for deprecation of IOCs, data types and attributes**

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

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

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

### 6.4 Intelligence and Automation

#### 6.4.1 Self-Configuration of RAN NEs

##### 6.4.1.1 RANSC\_WoP#1

**S5-224095 Concept Proposal for Draft TS 28.317**

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

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

**S5-224097 TS 28.317 Use cases and requirements for ARCF data handling**

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

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

**S5-224099 TS 28.317 Use cases and requirements for Self-configuration Management**

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

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

##### 6.4.1.2 RANSC\_WoP#2

##### 6.4.1.3 RANSC\_WoP#3

### 6.5 Management Architecture and Mechanisms

#### 6.5.1 Network slicing provisioning rules

##### 6.5.1.1 NSRULE\_WoP#1

##### 6.5.1.2 NSRULE\_WoP#2

**S5-224275 Rel-18 CR TS 28.541 Add network slice isolation**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224282 Specify network slicing provisioning rules requirements**

 *Type: draftCR For: Approval
 28.531 v17.4.0
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-224284 Add network slice rules to NRM**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-224294 Rel-18 CR TS 28.541 Add network slice isolation**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Nokia, Nokia Shanghai Bell, Huawei*

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

#### 6.5.2 Additional NRM features phase 2

##### 6.5.2.1 AdNRM\_ph2\_WoP#1

**S5-224048 DP on new specification for TS 28.622 in the context of SBMA with new structure proposal**

 *Type: discussion For: Approval
 28.622 v..
 Source: Huawei*

**Decision:** The document was **revised to S5-224347**.

**S5-224347 DP on new specification for TS 28.622 in the context of SBMA with new structure proposal**

 *Type: discussion For: Approval
 28.622 v..
 Source: Huawei*

(Replaces S5-224048)

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

**S5-224075 TS28.541 Rel-18 Enhance 5G Core managed NF Profile NRM fragment**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-224348**.

**S5-224348 TS28.541 Rel-18 Enhance 5G Core managed NF Profile NRM fragment**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-224075)

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

**S5-224076 TS28.541 Rel-18 NRM enhancements for UPFFunction**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-224349**.

**S5-224349 TS28.541 Rel-18 NRM enhancements for UPFFunction**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-224076)

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

**S5-224169 Rel-18 Input to draftCR 28.622 Add Scheduler IOC (stage 2)**

 *Type: draftCR For: Approval
 28.622 v17.2.0
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223180)

**Decision:** The document was **revised to S5-224350**.

**S5-224350 Rel-18 Input to draftCR 28.622 Add Scheduler IOC (stage 2)**

 *Type: draftCR For: Approval
 28.622 v17.2.0
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-224169)

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

**S5-224170 Rel-18 Input to draftCR 28.623 Add Scheduler IOC (stage 3)**

 *Type: draftCR For: Approval
 28.623 v17.2.2
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223181)

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

**S5-224171 Rel-18 Input to draftCR 28.622 Enhance PerfMetricJob by service execution condition (stage 2)**

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

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

**S5-224172 Rel-18 Input to draftCR 28.623 Enhance PerfMetricJob by service execution condition (stage 3)**

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

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

**S5-224175 Rel-18 Input to draftCR 28.622 Add missing definitions of common data types**

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

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

**S5-224300 Discussion on Enhanced QoS model for RLC and PDCP**

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

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

**S5-224301 Rel-18 28.541 Enhanced QoS model for RLC and PDCP (stage 2)**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Ericsson Inc.*

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

**S5-224303 Rel-18 28.541 Add BWP set support to NRM (stage 3, YANG)**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-224352**.

**S5-224352 Rel-18 28.541 Add BWP set support to NRM (stage 3, YANG)**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Ericsson Inc.*

(Replaces S5-224303)

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

**S5-224306 Rel-18 28.541 Enhanced QoS model for RLC and PDCP (stage 3, YANG)**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Ericsson Inc.*

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

**S5-224308 Rel-18 28.541 Add BWP set support to NRM (stage 2)**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Ericsson Inc.*

**Decision:** The document was **revised to S5-224353**.

**S5-224353 Rel-18 28.541 Add BWP set support to NRM (stage 2)**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Ericsson Inc.*

(Replaces S5-224308)

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

**S5-224312 Rel-18 28.541 Add Enhanced QoS support in NRM (stage 2)**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Ericsson Inc.*

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

**S5-224314 Rel-18 28.541 Add Enhanced QoS support in NRM (stage 3, YANG)**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Ericsson Inc.*

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

##### 6.5.2.2 AdNRM\_ph2\_WoP#2

**S5-224159 draftCR TS 28.541 Add missing pLMNInfoList attribute for OperatorDU and GNBDUFunction**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: China Unicom*

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

##### 6.5.2.3 AdNRM\_ph2\_WoP#3

#### 6.5.3 Enhanced Edge Computing Management

##### 6.5.3.1 eECM\_WoP#1

**S5-224017 Rel-18 InputTodraftCR 28.538 EASFunction IOC and EESFunction IOC**

 *Type: other For: Approval
 28.538 v..
 Source: AsiaInfo Technologies Inc*

(Replaces S5-223564)

**Decision:** The document was **revised to S5-224354**.

**S5-224354 Rel-18 InputTodraftCR 28.538 EASFunction IOC and EESFunction IOC**

 *Type: other For: Approval
 28.538 v..
 Source: AsiaInfo Technologies Inc*

(Replaces S5-224017)

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

**S5-224018 Rel-18 InputToDraftCR 28.538 Add modification procedures and query procedures**

 *Type: other For: Approval
 28.538 v..
 Source: AsiaInfo Technologies Inc*

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

**S5-224035 Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC**

 *Type: CR For: Approval
 28.622 v17.2.0
 Source: Intel Korea, Ltd.*

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

**S5-224036 Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC**

 *Type: CR For: Approval
 28.623 v17.2.0
 Source: Intel Korea, Ltd.*

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

**S5-224037 Rel-18 CR 28.538 Revise EAS VNF instantiation procedure**

 *Type: CR For: Approval
 28.538 v17.1.0
 Source: Intel Korea, Ltd.*

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

**S5-224038 Rel-18 CR 28.538 Revise EAS VNF termination procedure**

 *Type: CR For: Approval
 28.538 v17.1.0
 Source: Intel Korea, Ltd.*

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

**S5-224039 Rel-18 CR 28.538 Revise EAS VNF update procedure**

 *Type: CR For: Approval
 28.538 v17.1.0
 Source: Intel Korea, Ltd.*

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

**S5-224040 Rel-18 InputTodraftCR 28.538 Add EASProfile configurations**

 *Type: other For: Approval
 28.538 v..
 Source: AsiaInfo Technologies Inc*

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

**S5-224044 InputToDraftCR 28.538 EAS Profile**

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

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

**S5-224058 Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC**

 *Type: draftCR For: Approval
 28.622 v17.2.0
 Source: Intel Korea, Ltd.*

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

**S5-224059 Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC**

 *Type: draftCR For: Approval
 28.623 v17.2.1
 Source: Intel Korea, Ltd.*

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

**S5-224060 Rel-18 CR 28.538 Revise EAS VNF instantiation procedure**

 *Type: draftCR For: Approval
 28.538 v17.1.0
 Source: Intel Korea, Ltd.*

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

**S5-224061 Rel-18 CR 28.538 Revise EAS VNF termination procedure**

 *Type: draftCR For: Approval
 28.538 v17.1.0
 Source: Intel Korea, Ltd.*

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

**S5-224062 Rel-18 CR 28.538 Revise EAS VNF update procedure**

 *Type: draftCR For: Approval
 28.538 v17.1.0
 Source: Intel Korea, Ltd.*

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

**S5-224385 DraftCR for eECM – TS 28.538**

 *Type: draftCR For: Approval
 28.538 v17.1.0
 Source: Samsung*

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

##### 6.5.3.2 eECM\_WoP#2

##### 6.5.3.3 eECM\_WoP#3

##### 6.5.3.4 eECM\_WoP#4

**S5-224045 InputToDraftCR 28.538 Asynchronous support**

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

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

##### 6.5.3.5 eECM\_WoP#5

##### 6.5.3.6 eECM\_WoP#6

##### 6.5.3.7 eECM\_WoP#7

##### 6.5.3.8 eECM\_WoP#8

#### 6.5.4 Enhancement of QoE Measurement Collection

##### 6.5.4.1 eQoE\_WoP#1

**S5-224241 Adding QMC job**

 *Type: draftCR For: Approval
 28.622 v17.2.0
 Source: Ericsson Limited*

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

**S5-224244 Handling of QoE measurement collection at handover in NR**

 *Type: draftCR For: Approval
 28.405 v17.2.0
 Source: Ericsson Limited*

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

**S5-224246 ding Signalling Based Activation for NR**

 *Type: draftCR For: Approval
 28.405 v17.2.0
 Source: Ericsson Limited*

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

**S5-224249 Rel-18 draftCR Add QMC job (stage 3 YANG)**

 *Type: draftCR For: Approval
 28.623 v17.2.1
 Source: Ericsson Inc.*

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

##### 6.5.4.2 eQoE\_WoP#2

#### 6.5.5 Access control for management service

##### 6.5.5.1 MSAC\_WoP#1

**S5-224071 Rel-18 TS28.532 enhance OpenAPI to support access control**

 *Type: draftCR For: Approval
 28.532 v17.1.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224074 Rel-18 TS28.533 enhancement to support access control**

 *Type: draftCR For: Approval
 28.533 v17.2.0
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.5.5.2 MSAC\_WoP#2

**S5-224072 Rel-18 TS28.622 enhance NRM to support access control**

 *Type: draftCR For: Approval
 28.622 v17.2.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224073 Rel-18 TS28.623 enhance NRM to support access control Stage 3**

 *Type: draftCR For: Approval
 28.623 v17.2.0
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.5.5.3 MSAC\_WoP#3

#### 6.5.6 5G performance measurements and KPIs phase 3

##### 6.5.6.1 PM\_KPI\_5G\_Ph3\_WoP#1

**S5-224033 Rel-18 CR 28.552 Add the per SSB RSRQ and SINR measurements**

 *Type: CR For: Approval
 28.552 v17.7.0
 Source: Intel Korea, Ltd.*

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

**S5-224057 Rel-18 CR 28.552 Add the per SSB RSRQ and SINR measurements**

 *Type: draftCR For: Approval
 28.552 v17.7.0
 Source: Intel Korea, Ltd.*

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

**S5-224166 Rel-18 draftCR 28.552 Add beam specific inter-system handover counters related to MRO**

 *Type: draftCR For: Approval
 28.552 v17.7.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224167 Rel-16 draftCR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description**

 *Type: draftCR For: Approval
 28.313 v16.2.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224168 Rel-18 draftCR 28.313 Add beam specific inter-system handover counters related to MRO**

 *Type: draftCR For: Approval
 28.313 v17.5.0
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.5.6.2 PM\_KPI\_5G\_Ph3\_WoP#2

**S5-224034 R18 draftCR TS 28.552 Add remote interference related performance measurement**

 *Type: draftCR For: Approval
 28.552 v17.7.0
 Source: China Telecom Corporation Ltd., Huawei*

**Decision:** The document was **revised to S5-224356**.

**S5-224356 R18 draftCR TS 28.552 Add remote interference related performance measurement**

 *Type: draftCR For: Approval
 28.552 v17.7.0
 Source: China Telecom Corporation Ltd., Huawei*

(Replaces S5-224034)

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

**S5-224087 Rel-18 draftCR TS 28.552 Add measurements for UE throughput of Dedicated BWP**

 *Type: draftCR For: Approval
 28.552 v17.7.0
 Source: China Telecom Corporation Ltd., ZTE*

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

##### 6.5.6.3 PM\_KPI\_5G\_Ph3\_WoP#3

### 6.6 Support of New Services

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

##### 6.6.1.1 EE5GPLUS\_Ph2\_WoP#1

##### 6.6.1.2 EE5GPLUS\_Ph2\_WoP#2

#### 6.6.2 Network slice provisioning enhancement

##### 6.6.2.1 eNETSLICE\_PRO\_WoP#1

**S5-224242 Discussion paper to Add StateManagementEntity support for 5G**

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

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

**S5-224248 Rel-18 TS 28.531 Update operations of allocateNsi, allocateNssi, deallocateNsi, deallocateNssi**

 *Type: draftCR For: Approval
 28.531 v17.4.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224276 Rel-18 CR TS 28.623 Add AvailabilityStatus and LifecycleState to comDefs**

 *Type: draftCR For: Approval
 28.623 v17.2.1
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224277 Rel-18 CR TS 28.541 Add lifecycleState and availabilityStatus attributes to NetworkSlice and NetworkSliceSubnet**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224278 Rel-18 CR TS 28.531 Update procedures for asynchronous mode of operations for Network Slice and Network Slice Subnet LCM**

 *Type: draftCR For: Approval
 28.531 v17.4.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224298 Discussion to Add StateManagementEntity support for 5G**

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

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

##### 6.6.2.2 eNETSLICE\_PRO\_WoP#2

**S5-224273 Add asynchronous network slicing provisioning procedures**

 *Type: draftCR For: Approval
 28.531 v17.4.0
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-224279 S5-224XX5 Rel-18 CR TS 28.531 Update procedures for modification of Network Slice and Network Slice Subnet MOIs**

 *Type: draftCR For: Approval
 28.531 v17.4.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224281 Add Job IOCs for asynchronous network slicing provisioning procedures**

 *Type: draftCR For: Approval
 28.541 v18.0.0
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-224292 Discussion to Correct inconsistencies in Network Slicing**

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

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

### 6.7 Intelligence and Automation

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

##### 6.7.1.1 FS\_eANL\_WoP#1

**S5-224049 pCR TR 28.910 Add key issues for enhancement of network optimization**

 *Type: pCR For: Approval
 28.910 v0.2.0
 Source: Huawei,China Mobile*

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

**S5-224050 pCR TR 28.910 Add key issues for enhancement of ANL for RAN NE deployment**

 *Type: pCR For: Approval
 28.910 v0.2.0
 Source: Huawei,China Mobile*

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

**S5-224127 pCR 28.910 Add introduction on relevant SI/WI in 3GPP**

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

(Replaces S5-223318)

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

**S5-224128 pCR TR 28.910 Add key issue for enhancement of ANL for fault management**

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

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

##### 6.7.1.2 FS\_eANL\_WoP#2

##### 6.7.1.3 FS\_eANL\_WoP#3

**S5-224041 Add key issue for autonomous network level for network slice provisioning**

 *Type: pCR For: Approval
 28.910 v0.2.0
 Source: AsiaInfo Technologies Inc,CMCC*

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

**S5-224111 pCR TR 28.910 Add key issue for autonomous network level for 5GC network disaster recovery**

 *Type: pCR For: Approval
 28.910 v0.2.0
 Source: Huawei*

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

**S5-224224 pCR TR 28.910 Add autonomous network level for service experience optimization**

 *Type: pCR For: Approval
 28.910 v0.2.0
 Source: Huawei*

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

##### 6.7.1.4 FS\_eANL\_WoP#4

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

##### 6.7.2.1 FS\_ANLEVA\_WoP#1

**S5-224047 pCR TR 28.909 Add general process of evaluating the autonomous network level**

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

(Replaces S5-223325)

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

**S5-224098 pCR 28.909 Add ANLS evaluation of autonomous network**

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

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

**S5-224129 pCR 28.909 Add key issue of dimensions for autonomous network levels**

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

(Replaces S5-223319)

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

**S5-224130 pCR TR 28.909 Add key issues of generic methodology for autonomous network levels evaluation**

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

(Replaces S5-223320)

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

##### 6.7.2.2 FS\_ANLEVA\_WoP#2

**S5-224046 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 S5-223324)

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

##### 6.7.2.3 FS\_ANLEVA\_WoP#3

##### 6.7.2.4 FS\_ANLEVA\_WoP#4

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

##### 6.7.3.1 FS\_eIDMS\_MN\_WoP#1

##### 6.7.3.2 FS\_eIDMS\_MN\_WoP#2

**S5-224051 pCR TR 28.912 Add issue for intent Report**

 *Type: pCR For: Approval
 28.912 v0.2.0
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-224358**.

**S5-224358 pCR TR 28.912 Add issue for intent Report**

 *Type: pCR For: Approval
 28.912 v0.2.0
 Source: Huawei, Deutsche Telekom*

(Replaces S5-224051)

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

**S5-224052 pCR TR 28.912 Update issue for intent confliction**

 *Type: pCR For: Approval
 28.912 v0.2.0
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-224263**.

**S5-224053 pCR TR 28.912 Add conclusion and recommendation for existing issues**

 *Type: pCR For: Approval
 28.912 v0.2.0
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-224362**.

**S5-224362 pCR TR 28.912 Add conclusion and recommendation for existing issues**

 *Type: pCR For: Approval
 28.912 v0.2.0
 Source: Huawei, Deutsche Telekom*

(Replaces S5-224053)

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

**S5-224112 pCR TR 28.912 add potential solution for 5GC intent expectation**

 *Type: pCR For: Approval
 28.912 v0.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224361**.

**S5-224361 pCR TR 28.912 add potential solution for 5GC intent expectation**

 *Type: pCR For: Approval
 28.912 v0.2.0
 Source: Huawei*

(Replaces S5-224112)

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

**S5-224178 pCR 28.912 Intent-driven Closed Loop Composition**

 *Type: pCR For: (not specified)
 28.912 v0.2.0
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-224359**.

**S5-224359 pCR 28.912 Intent-driven Closed Loop Composition**

 *Type: pCR For: -
 28.912 v0.2.0
 Source: Nokia Italy*

(Replaces S5-224178)

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

**S5-224263 pCR TR 28.912 Update issue for intent confliction**

 *Type: pCR For: Approval
 28.912 v0.2.0
 Source: Huawei, Deutsche Telekom,Nokia*

(Replaces S5-224052)

**Decision:** The document was **revised to S5-224360**.

**S5-224360 pCR TR 28.912 Update issue for intent confliction**

 *Type: pCR For: Approval
 28.912 v0.2.0
 Source: Huawei, Deutsche Telekom,Nokia*

(Replaces S5-224263)

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

##### 6.7.3.3 FS\_eIDMS\_MN\_WoP#3

##### 6.7.3.4 FS\_eIDMS\_MN\_WoP#4

**S5-224054 pCR TR 28.912 Add issue for mapping intent operations between 3GPP and TM Forum**

 *Type: pCR For: Approval
 28.912 v0.2.0
 Source: Huawei, Deutsche Telekom*

**Decision:** The document was **revised to S5-224363**.

**S5-224363 pCR TR 28.912 Add issue for mapping intent operations between 3GPP and TM Forum**

 *Type: pCR For: Approval
 28.912 v0.2.0
 Source: Huawei, Deutsche Telekom*

(Replaces S5-224054)

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

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

##### 6.7.4.1 FS\_NETSLICE\_IDMS\_WoP#1

**S5-224069 Add use case of Intent driven management for network slice feasibility check**

 *Type: pCR For: Approval
 28.836 v0.2.0
 Source: AsiaInfo Technologies Inc*

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

**S5-224070 DP on mapping of network slice operations and intent operations**

 *Type: discussion For: Endorsement
 28.836 v..
 Source: AsiaInfo Technologies Inc*

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

**S5-224077 Add use case of Intent driven management for network slice management capability exposure**

 *Type: pCR For: Approval
 28.836 v0.2.0
 Source: AsiaInfo Technologies Inc*

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

**S5-224104 Add use case of Intent driven management for network slice feasibility check**

 *Type: pCR For: Approval
 28.836 v0.2.0
 Source: AsiaInfo Technologies Inc*

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

**S5-224113 pCR TR 28.836 add use case of slice modification**

 *Type: pCR For: Approval
 28.836 v0.2.0
 Source: Huawei*

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

**S5-224114 pCR TR 28.836 add intent LCM**

 *Type: pCR For: Approval
 28.836 v0.2.0
 Source: Huawei*

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

**S5-224297 Discussion paper on study intent driven management for network slicing**

 *Type: discussion For: Endorsement
 Source: Ericsson LM*

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

##### 6.7.4.2 FS\_NETSLICE\_IDMS\_WoP#2

**S5-224116 pCR TR 28.836 add potential ExpectationTarget for intent MnS**

 *Type: pCR For: Approval
 28.836 v0.2.0
 Source: Huawei*

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

**S5-224313 pCR 28.836 Add solution for use case 5.1.1**

 *Type: pCR For: Approval
 28.836 v0.2.0
 Source: Microsoft Europe SARL*

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

##### 6.7.4.3 FS\_NETSLICE\_IDMS\_WoP#3

**S5-224115 pCR TR 28.836 add intent model IntentExpectation for network slicing instance**

 *Type: pCR For: Approval
 28.836 v0.2.0
 Source: Huawei*

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

##### 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

##### 6.7.5.1 FS\_AIML\_MGMT\_WoP#1

**S5-224020 pCR 28.908 Requirements on AIML context**

 *Type: pCR For: (not specified)
 28.908 v0.2.0
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-224364**.

**S5-224364 pCR 28.908 Requirements on AIML context**

 *Type: pCR For: -
 28.908 v0.2.0
 Source: Nokia Italy*

(Replaces S5-224020)

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

**S5-224088 DP on Modelling AIML Entity**

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

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

**S5-224101 pCR TR 28.908 Add AIML capabilities deployment scenarios**

 *Type: pCR For: Approval
 28.908 v18.2.0
 Source: Huawei, Nokia, Ericsson*

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

**S5-224266 pCR 28.908 Add AI-ML workflow for 5GS**

 *Type: pCR For: Approval
 28.908 v0.2.0
 Source: Intel, NEC*

**Decision:** The document was **revised to S5-224365**.

**S5-224365 pCR 28.908 Add AI-ML workflow for 5GS**

 *Type: pCR For: Approval
 28.908 v0.2.0
 Source: Intel, NEC*

(Replaces S5-224266)

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

**S5-224315 pCR TR 28.908 Clarifications into the overview and terminologies updates**

 *Type: pCR For: Approval
 28.908 v0.2.0
 Source: NEC, Intel*

**Decision:** The document was **revised to S5-224366**.

**S5-224366 pCR TR 28.908 Clarifications into the overview and terminologies updates**

 *Type: pCR For: Approval
 28.908 v0.2.0
 Source: NEC, Intel*

(Replaces S5-224315)

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

##### 6.7.5.2 FS\_AIML\_MGMT\_WoP#2

**S5-224021 pCR 28.908 Requirements on AIML Inference History**

 *Type: pCR For: (not specified)
 28.908 v0.2.0
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-224367**.

**S5-224367 pCR 28.908 Requirements on AIML Inference History**

 *Type: pCR For: -
 28.908 v0.2.0
 Source: Nokia Italy*

(Replaces S5-224021)

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

**S5-224022 pCR 28.908 Requirements on Coordinating AIML inference**

 *Type: pCR For: (not specified)
 28.908 v0.2.0
 Source: Nokia Italy*

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

**S5-224267 pCR 28.908 Add use case on AI-ML entity validation**

 *Type: pCR For: Approval
 28.908 v0.2.0
 Source: Intel, NEC*

**Decision:** The document was **revised to S5-224368**.

**S5-224368 pCR 28.908 Add use case on AI-ML entity validation**

 *Type: pCR For: Approval
 28.908 v0.2.0
 Source: Intel, NEC*

(Replaces S5-224267)

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

##### 6.7.5.3 FS\_AIML\_MGMT\_WoP#3

**S5-224023 pCR 28.908 Requirements on AIML Testing**

 *Type: pCR For: (not specified)
 28.908 v0.2.0
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-224369**.

**S5-224369 pCR 28.908 Requirements on AIML Testing**

 *Type: pCR For: -
 28.908 v0.2.0
 Source: Nokia Italy*

(Replaces S5-224023)

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

**S5-224268 pCR 28.908 Add use case on AI-ML entity testing**

 *Type: pCR For: Approval
 28.908 v0.2.0
 Source: Intel, NEC*

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

##### 6.7.5.4 FS\_AIML\_MGMT\_WoP#4

**S5-224024 pCR 28.908 Requirements on AIMLEntity Capability Discovery**

 *Type: pCR For: (not specified)
 28.908 v0.2.0
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-224386**.

**S5-224386 pCR 28.908 Requirements on AIMLEntity Capability Discovery**

 *Type: pCR For: -
 28.908 v0.2.0
 Source: Nokia Italy*

(Replaces S5-224024)

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

**S5-224025 4. S5-xxxxxxx pCR 28.908 Requirements on Pre-processed event data for ML training**

 *Type: pCR For: (not specified)
 28.908 v0.2.0
 Source: Nokia Italy*

**Decision:** The document was **revised to S5-224370**.

**S5-224370 pCR 28.908 Requirements on Pre-processed event data for ML training**

 *Type: pCR For: -
 28.908 v0.2.0
 Source: Nokia Italy*

(Replaces S5-224025)

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

**S5-224102 pCR TR 28.908 Add use case on AI-ML model update**

 *Type: pCR For: Approval
 28.908 v18.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224371**.

**S5-224371 pCR TR 28.908 Add use case on AI-ML model update**

 *Type: pCR For: Approval
 28.908 v18.2.0
 Source: Huawei*

(Replaces S5-224102)

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

**S5-224103 pCR TR 28.908 Add use case on AI-ML model deployment**

 *Type: pCR For: Approval
 28.908 v18.2.0
 Source: Huawei*

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

**S5-224251 pCR TR 28.908 Add use case on AI-ML model deployment**

 *Type: pCR For: (not specified)
 28.908 v0.2.0
 Source: CATT*

**Decision:** The document was **revised to S5-224372**.

**S5-224372 pCR TR 28.908 Add use case on AI-ML model deployment**

 *Type: pCR For: -
 28.908 v0.2.0
 Source: CATT*

(Replaces S5-224251)

**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

##### 6.7.5.8 FS\_AIML\_MGMT\_WoP#8

##### 6.7.5.9 FS\_AIML\_MGMT\_WoP#9

##### 6.7.5.10 FS\_AIML\_MGMT\_WoP#10

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

##### 6.7.6.1 FS\_MANWDAF\_WoP#1

**S5-224239 pCR 28864 KI1 KI2 update**

 *Type: pCR For: Approval
 28.864 v0.2.0
 Source: China Telecommunications*

**Abstract:**

Providing additional information on the use cases.

**Decision:** The document was **revised to S5-224373**.

**S5-224373 pCR 28864 KI1 KI2 update**

 *Type: pCR For: Approval
 28.864 v0.2.0
 Source: China Telecommunications*

(Replaces S5-224239)

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

**S5-224253 pCR 28.864 Add potential solution for KI#1**

 *Type: pCR For: (not specified)
 28.864 v0.2.0
 Source: Chinatelecom Cloud*

**Decision:** The document was **revised to S5-224374**.

**S5-224374 pCR 28.864 Add potential solution for KI#1**

 *Type: pCR For: -
 28.864 v0.2.0
 Source: Chinatelecom Cloud*

(Replaces S5-224253)

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

**S5-224254 pCR 28.864 Add potential solution for KI#2**

 *Type: pCR For: (not specified)
 28.864 v0.2.0
 Source: Chinatelecom Cloud*

**Decision:** The document was **revised to S5-224375**.

**S5-224375 pCR 28.864 Add potential solution for KI#2**

 *Type: pCR For: -
 28.864 v0.2.0
 Source: Chinatelecom Cloud*

(Replaces S5-224254)

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

**S5-224299 pCR 28.864 Add KI for managing NWDAF output**

 *Type: pCR For: (not specified)
 28.864 v0.2.0
 Source: Lenovo Future Communications*

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

##### 6.7.6.2 FS\_MANWDAF\_WoP#2

**S5-224177 pCR 28.864 Potential solution on service usage of NWDAF**

 *Type: pCR For: (not specified)
 28.864 v0.2.0
 Source: Nokia Italy*

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

**S5-224240 Discussion paper on relationship between the EE of NWDAF and the performance measurements of NWDAF**

 *Type: discussion For: Endorsement
 28.864 v..
 Source: China Telecommunications*

**Abstract:**

Discussion about the EE of NWDAF and the scope of FS\_MANWDAF.

**Decision:** The document was **revised to S5-224382**.

**S5-224382 Discussion paper on relationship between the EE of NWDAF and the performance measurements of NWDAF**

 *Type: discussion For: Endorsement
 28.864 v..
 Source: China Telecommunications*

(Replaces S5-224240)

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

**S5-224255 pCR 28.864 Add potential solution for KI#5**

 *Type: pCR For: (not specified)
 28.864 v0.2.0
 Source: Chinatelecom Cloud*

**Decision:** The document was **revised to S5-224377**.

**S5-224377 pCR 28.864 Add potential solution for KI#5**

 *Type: pCR For: -
 28.864 v0.2.0
 Source: Chinatelecom Cloud*

(Replaces S5-224255)

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

**S5-224262 New key issue for the performance management of the NWDAF related on service output generation**

 *Type: pCR For: (not specified)
 28.864 v0.2.0
 Source: Chinatelecom Cloud*

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

**S5-224265 pCR 28.864 Add potential performance metrics related with UE groups for KI#3**

 *Type: pCR For: Approval
 28.864 v0.2.0
 Source: China Mobile E-Commerce Co.*

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

**S5-224269 pCR TR 28.864 Add potential solution related with number of notifications for data collection exposure capability**

 *Type: pCR For: Approval
 28.864 v0.2.0
 Source: China Mobile E-Commerce Co.*

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

**S5-224271 pCR TR 28.864 Add potential solution related with number of notifications for NWDAF Data Collection**

 *Type: pCR For: Approval
 28.864 v0.2.0
 Source: China Mobile E-Commerce Co.*

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

**S5-224272 pCR TR 28.864 Add potential solution related with number of subscriptions for data collection exposure capability**

 *Type: pCR For: Approval
 28.864 v0.2.0
 Source: China Mobile E-Commerce Co.*

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

**S5-224274 pCR TR 28.864 Add potential solution related with number of subscriptions for NWDAF Data Collection**

 *Type: pCR For: Approval
 28.864 v0.2.0
 Source: China Mobile E-Commerce Co.*

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

#### 6.7.7 Study on Fault Supervision Evolution

##### 6.7.7.1 FS\_FSEV\_WoP#1

##### 6.7.7.2 FS\_FSEV\_WoP#2

**S5-224179 pCR TR 28.830 Add background**

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

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

**S5-224180 pCR TR 28.830 Add relation description with existing MnS**

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

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

**S5-224213 pCR 28.830 Add clause Background**

 *Type: pCR For: Approval
 28.830 v0.1.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224218 pCR 28.830 Add key issue: Definition of terms**

 *Type: pCR For: Approval
 28.830 v0.1.0
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-224383**.

**S5-224383 pCR 28.830 Add key issue: Definition of terms**

 *Type: pCR For: Approval
 28.830 v0.1.0
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-224218)

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

**S5-224219 pCR 28.830 Add framework of FSEV**

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

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

**S5-224220 pCR 28.830 Add interface description**

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

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

**S5-224221 pCR 28.830 Add description of issue E2E SLS degradation**

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

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

**S5-224222 pCR 28.830 Add solution of issue E2E SLS degradation**

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

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

##### 6.7.7.3 FS\_FSEV\_WoP#3

**S5-224181 pCR TR 28.830 Add description of key issue service outage**

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

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

**S5-224182 pCR TR 28.830 Add description of key issue performance degradation**

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

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

**S5-224183 pCR TR 28.830 Add description of key issue 5GC service failure prediction**

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

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

**S5-224184 pCR TR 28.830 Add solution of key issue service outage**

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

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

**S5-224185 pCR TR 28.830 Add solution of key issue performance degradation**

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

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

**S5-224186 pCR TR 28.830 Add solution of key issue 5GC service failure prediction**

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

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

#### 6.7.8 Study on measurement data collection to support RAN intelligence

##### 6.7.8.1 FS\_MEDACO\_RAN\_WoP#1

**S5-224029 Rel-18 TR 28.838 v0.0.0**

 *Type: draft TR For: Approval
 28.838 v0.0.0
 Source: Intel Korea, Ltd.*

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

**S5-224030 pCR 28.838 skeleton**

 *Type: pCR For: Approval
 28.838 v0.0.1
 Source: Intel Korea, Ltd.*

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

**S5-224031 pCR 28.838 scope**

 *Type: pCR For: Approval
 28.838 v0.0.0
 Source: Intel Korea, Ltd.*

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

**S5-224032 pCR 28.838 overview**

 *Type: pCR For: Approval
 28.838 v0.0.0
 Source: Intel Korea, Ltd.*

**Decision:** The document was **revised to S5-224379**.

**S5-224379 pCR 28.838 overview**

 *Type: pCR For: Approval
 28.838 v0.0.0
 Source: Intel Korea, Ltd.*

(Replaces S5-224032)

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

##### 6.7.8.2 FS\_MEDACO\_RAN\_WoP#2

##### 6.7.8.3 FS\_MEDACO\_RAN\_WoP#3

### 6.8 Management Architecture and Mechanisms

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

##### 6.8.1.1 FS\_eSBMA\_WoP#1

**S5-224302 pCR TR 28.925 Add key issue on requirements and use cases supporting multiple MnS discovery service producers**

 *Type: pCR For: Approval
 28.925 v0.6.0
 Source: China Unicom*

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

##### 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

**S5-224160 pCR TR28.925 Add conclusion for overview and usage guide for SBMA specifications**

 *Type: pCR For: (not specified)
 28.925 v0.6.0
 Source: HuaWei Technologies Co., Ltd*

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

**S5-224161 pCR TR28.925 Add description on MnFs to be managed**

 *Type: pCR For: (not specified)
 28.925 v0.6.0
 Source: HuaWei Technologies Co., Ltd*

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

##### 6.8.1.6 FS\_eSBMA\_WoP#6

#### 6.8.2 Study on Basic SBMA enabler enhancements

##### 6.8.2.1 FS\_eSBMAe\_WoP#1

##### 6.8.2.2 FS\_eSBMAe\_WoP#2

##### 6.8.2.3 FS\_eSBMAe\_WoP#3

**S5-224236 pCR 28.831 Add key issue: Definition of createMOI**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224237 pCR 28.831 Add key issue: Definition of getMOIAttributes**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224280 Rel-18 pCR TR 28.831 Add a new key issue for Adding capabilities and procedures to advertise supported IOCs, attributes, conditions, and constraints by the MnS Producer**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.8.2.4 FS\_eSBMAe\_WoP#4

**S5-224250 pCR 28.831 Add potential requirements for key issue Targeted notification subscription**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanhai Bell*

**Decision:** The document was **revised to S5-224424**.

**S5-224424 pCR 28.831 Add potential requirements for key issue Targeted notification subscription**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanhai Bell*

(Replaces S5-224250)

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

**S5-224252 pCR 28.831 Add potential solutions for key issue Targeted notification subscription**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-224425**.

**S5-224425 pCR 28.831 Add potential solutions for key issue Targeted notification subscription**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-224252)

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

**S5-224256 pCR 28.831 Add analysis of XPath as potential solution**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

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

**S5-224257 pCR 28.831 Add analysis of JSONPointer as potential solution**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-224426**.

**S5-224426 pCR 28.831 Add analysis of JSONPointer as potential solution**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-224257)

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

**S5-224293 pCR 28.831 Add analysis of JSONPath as potential solution**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S5-224427**.

**S5-224427 pCR 28.831 Add analysis of JSONPath as potential solution**

 *Type: pCR For: Approval
 28.831 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-224293)

**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

**S5-224247 YANG Mapping Corrections**

 *Type: draftCR For: Approval
 32.160 v17.4.0
 Source: Ericsson Hungary Ltd*

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

#### 6.8.3 Study on Management Aspects of URLLC

##### 6.8.3.1 FS\_URLLC\_Mgt\_WoP#1

##### 6.8.3.2 FS\_URLLC\_Mgt\_WoP#2

##### 6.8.3.3 FS\_URLLC\_Mgt\_WoP#3

**S5-224131 Add sulotion for URLLC performance measurements related to latency**

 *Type: pCR For: Approval
 28.832 v0.2.0
 Source: China Unicom, CATT*

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

**S5-224132 Discussion on URLLC performance measurements related to latency and reliability**

 *Type: discussion For: Approval
 28.832 v..
 Source: China Unicom*

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

**S5-224133 Discussion on URLLC performance measurements related to resource load of URLLC services**

 *Type: discussion For: Approval
 28.832 v..
 Source: China Unicom*

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

**S5-224134 Add Key Issue on URLLC Performance measurements**

 *Type: pCR For: Approval
 28.832 v0.2.0
 Source: China Unicom*

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

**S5-224135 Add solution for URLLC performance measurements related to DL resource load**

 *Type: pCR For: Approval
 28.832 v0.2.0
 Source: China Unicom*

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

**S5-224136 Add solution for URLLC performance measurements related to UL resource load with cancellation indication**

 *Type: pCR For: Approval
 28.832 v0.2.0
 Source: China Unicom*

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

**S5-224137 Add solution for URLLC performance measurements related to UL resource load with power boosting**

 *Type: pCR For: Approval
 28.832 v0.2.0
 Source: China Unicom*

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

**S5-224158 Add solution for URLLC performance measurements related to reliability**

 *Type: pCR For: Approval
 28.832 v0.2.0
 Source: China Unicom*

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

##### 6.8.3.4 FS\_URLLC\_Mgt\_WoP#4

#### 6.8.4 Study on Management Aspect of 5GLAN

##### 6.8.4.1 FS\_5GLAN\_Mgt\_WoP#1

##### 6.8.4.2 FS\_5GLAN\_Mgt\_WoP#2

**S5-224117 pCR 28.833 add one key issue for PDU session management**

 *Type: pCR For: Approval
 28.833 v0.2.0
 Source: Huawei*

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

**S5-224261 pCR TR 28.833 Change TR structure**

 *Type: pCR For: Approval
 28.833 v0.2.0
 Source: China Mobile E-Commerce Co.*

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

**S5-224264 pCR TR 28.833 Add key issue and potential solutions for 5G VN group data management of FS\_5GLAN\_Mgt**

 *Type: pCR For: Approval
 28.833 v0.2.0
 Source: China Mobile E-Commerce Co.*

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

##### 6.8.4.3 FS\_5GLAN\_Mgt\_WoP#3

**S5-224118 pCR 28.833 add one key issue for performance measurements per 5G VN group**

 *Type: pCR For: Approval
 28.833 v0.2.0
 Source: China Southern Power Grid, Huawei*

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

##### 6.8.4.4 FS\_5GLAN\_Mgt\_WoP#4

#### 6.8.5 Study on Management of Cloud Native Virtualized Network Functions

##### 6.8.5.1 FS\_MCVNF\_WoP#1

**S5-224105 pCR 28.834 Add use case for VNFC failover**

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

**Decision:** The document was **revised to S5-224428**.

**S5-224428 pCR 28.834 Add use case for VNFC failover**

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

(Replaces S5-224105)

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

**S5-224106 pCR 28.834 Add background of supported LCM procedures**

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

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

**S5-224107 pCR 28.834 Add concepts from ETSI NFV**

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

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

**S5-224108 pCR 28.834 Add use case for NF creation as cloud native VNF**

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

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

**S5-224109 pCR 28.834 Add use case for VNF instantiation**

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

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

**S5-224110 pCR 28.834 Add use case for VNF scaling**

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

**Decision:** The document was **revised to S5-224431**.

**S5-224431 pCR 28.834 Add use case for VNF scaling**

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

(Replaces S5-224110)

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

**S5-224283 pCR 28.834 Add Use Case on Configuration of the cloud-native VNF using generic OAM functions**

 *Type: pCR For: Approval
 28.834 v0.1.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-224430**.

**S5-224430 pCR 28.834 Add Use Case on Configuration of the cloud-native VNF using generic OAM functions**

 *Type: pCR For: Approval
 28.834 v0.1.0
 Source: China Mobile Com. Corporation*

(Replaces S5-224283)

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

**S5-224285 pCR TR 28.834 Add Use Case on Traffic management of the cloud-native VNF using generic OAM functions**

 *Type: pCR For: Approval
 28.834 v0.1.0
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S5-224429**.

**S5-224429 pCR TR 28.834 Add Use Case on Traffic management of the cloud-native VNF using generic OAM functions**

 *Type: pCR For: Approval
 28.834 v0.1.0
 Source: China Mobile Com. Corporation*

(Replaces S5-224285)

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

**S5-224304 pCR 28.834 Add concepts and background**

 *Type: pCR For: Approval
 28.834 v0.1.0
 Source: Microsoft Europe SARL*

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

**S5-224305 pCR 28.834 Add use case on LCM\_query cloud-native VNF package**

 *Type: pCR For: Approval
 28.834 v0.1.0
 Source: Microsoft Europe SARL*

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

**S5-224307 pCR 28.834 Add use case on LCM\_instantiation using de-facto standards**

 *Type: pCR For: Approval
 28.834 v0.1.0
 Source: Microsoft Europe SARL*

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

**S5-224309 pCR 28.834 Add use case on LCM\_configuration using de-facto standards**

 *Type: pCR For: Approval
 28.834 v0.1.0
 Source: Microsoft Europe SARL*

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

**S5-224310 pCR 28.834 Add use case on LCM\_modification using de-facto standards**

 *Type: pCR For: Approval
 28.834 v0.1.0
 Source: Microsoft Europe SARL*

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

**S5-224311 pCR 28.834 Add use case on LCM\_deletion using de-facto standards**

 *Type: pCR For: Approval
 28.834 v0.1.0
 Source: Microsoft Europe SARL*

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

##### 6.8.5.2 FS\_MCVNF\_WoP#2

##### 6.8.5.3 FS\_MCVNF\_WoP#3

#### 6.8.6 Study on Management Aspects of 5G MOCN Network Sharing Phase2

##### 6.8.6.1 FS\_MANS\_ph2\_WoP#1

**S5-224092 pCR TR 28.835 Add potential solutions to address the no PLMN ID at NRcellCU issue**

 *Type: pCR For: Approval
 28.835 v0.2.0
 Source: ZTE Corporation.*

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

**S5-224094 pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements**

 *Type: pCR For: Approval
 28.835 v0.2.0
 Source: ZTE Corporation.*

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

**S5-224162 pCR TR 28.835 Add key issue remote access requirement of MOP-SR-DM for each POP**

 *Type: pCR For: Approval
 28.835 v0.2.0
 Source: China Unicom*

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

**S5-224163 pCR TR 28.835 Add potential solution for management requirement between MOP-NM and MOP-SR-DM**

 *Type: pCR For: Approval
 28.835 v0.2.0
 Source: China Unicom*

**Decision:** The document was **revised to S5-224432**.

**S5-224432 pCR TR 28.835 Add potential solution for management requirement between MOP-NM and MOP-SR-DM**

 *Type: pCR For: Approval
 28.835 v0.2.0
 Source: China Unicom*

(Replaces S5-224163)

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

**S5-224165 pCR TR 28.835 Add potential solution for remote access requirement of MOP-SR-DM for each POP**

 *Type: pCR For: Approval
 28.835 v0.2.0
 Source: China Unicom*

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

##### 6.8.6.2 FS\_MANS\_ph2\_WoP#2

**S5-224164 pCR TR 28.835 Add potential solution for performance measurements without PLMN ID at NRcellCU**

 *Type: pCR For: Approval
 28.835 v0.2.0
 Source: China Unicom*

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

##### 6.8.6.3 FS\_MANS\_ph2\_WoP#3

#### 6.8.7 Study on Management of Trace/MDT phase 2

##### 6.8.7.1 FS\_5GMDT\_Ph2\_WoP#1

**S5-224174 Rel-18 pCR 28.837 Reporting of Collected Management Data**

 *Type: pCR For: Approval
 28.837 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S5-223403)

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

##### 6.8.7.2 FS\_5GMDT\_Ph2\_WoP#2

**S5-224173 Rel-18 pCR 28.837 Solution to Issue Gaps in Signalling Based Trace Activation**

 *Type: pCR For: Approval
 28.837 v0.2.0
 Source: Nokia, Nokia Shanghai Bell*

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

##### 6.8.7.3 FS\_5GMDT\_Ph2\_WoP#3

**S5-224083 Rel-18 pCR 28.837 Key Issue on alignment of “Report Amount” parameter for Immediate MDT measurements**

 *Type: pCR For: Approval
 28.837 v0.2.0
 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 YANG PUSH

##### 6.8.8.1 FS\_YANG\_WoP#1

##### 6.8.8.2 FS\_YANG\_WoP#2

**S5-224243 Close down YANG-Push study**

 *Type: pCR For: Approval
 28.818 v0.1.0
 Source: Ericsson Hungary Ltd*

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

##### 6.8.8.3 FS\_YANG\_WoP#3

##### 6.8.8.4 FS\_YANG\_WoP#4

##### 6.8.8.5 FS\_YANG\_WoP#5

#### 6.8.9 Study on Management Aspects of IoT NTN Enhancements

##### 6.8.9.1 FS\_IOT\_NTN\_WoP#1

**S5-224065 TR 28.841-0.0.0 initial skeleton**

 *Type: draft TR For: Approval
 28.841 v0.0.0
 Source: China Unicom*

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

**S5-224066 pCR 28.841 Add TR structure**

 *Type: pCR For: Approval
 28.841 v0.0.0
 Source: China Unicom*

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

**S5-224067 pCR TR 28.841 Add Scope**

 *Type: pCR For: Approval
 28.841 v0.0.0
 Source: China Unicom*

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

**S5-224068 pCR TR 28.841 Add Introduction**

 *Type: pCR For: Approval
 28.841 v0.0.0
 Source: China Unicom*

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

**S5-224084 pCR 28.841 Add concepts and background**

 *Type: pCR For: Approval
 28.841 v0.0.0
 Source: China Unicom*

**Decision:** The document was **revised to S5-224433**.

**S5-224433 pCR 28.841 Add concepts and background**

 *Type: pCR For: Approval
 28.841 v0.0.0
 Source: China Unicom*

(Replaces S5-224084)

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

##### 6.8.9.2 FS\_IOT\_NTN\_WoP#2

##### 6.8.9.3 FS\_IOT\_NTN\_WoP#3

### 6.9 Support of New Services

#### 6.9.1 Study on enhancement of management of non-public networks

##### 6.9.1.1 FS\_OAM\_eNPN\_WoP#1

**S5-224080 pCR 28.907 Rapporteur proposal**

 *Type: pCR For: Approval
 28.907 v0.2.0
 Source: Huawei*

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

##### 6.9.1.2 FS\_OAM\_eNPN\_WoP#2

##### 6.9.1.3 FS\_OAM\_eNPN\_WoP#3

**S5-224078 pCR 28.907 Update performance data collection procedure**

 *Type: pCR For: Approval
 28.907 v0.2.0
 Source: Huawei*

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

**S5-224079 pCR 28.907 Potential solution for SLA monitoring and evaluation**

 *Type: pCR For: Approval
 28.907 v0.2.0
 Source: Huawei*

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

##### 6.9.1.4 FS\_OAM\_eNPN\_WoP#4

#### 6.9.2 Study on new aspects of EE for 5G networks Phase 2

##### 6.9.2.1 FS\_EE5G\_Ph2\_WoP#1

**S5-224090 pCR 28.913 Add new Key Issue - EE KPI for V2X network slice**

 *Type: pCR For: Agreement
 28.913 v0.1.0
 Source: Huawei Technologies France*

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

**S5-224091 pCR 28.913 Correcting vocabulary for CNF**

 *Type: pCR For: Agreement
 28.913 v0.1.0
 Source: Huawei Technologies France*

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

**S5-224093 pCR 28.913 Considering additional virtual resources usage to estimate VNF EC**

 *Type: pCR For: Agreement
 28.913 v0.1.0
 Source: Huawei Technologies France*

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

**S5-224096 pCR 28.913 Add new Key Issue - Customer accepts QoS degradation to save energy**

 *Type: pCR For: Agreement
 28.913 v0.1.0
 Source: Huawei Technologies France*

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

**S5-224100 LS to NGMN GFN and GSMA NG on Customer acceptation of QoS degradation to save energy**

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

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

##### 6.9.2.2 FS\_EE5G\_Ph2\_WoP#2

#### 6.9.3 Study on Network and Service Operations for Energy Utilities

##### 6.9.3.1 FS\_NSOEU\_WoP#1

##### 6.9.3.2 FS\_NSOEU\_WoP#2

##### 6.9.3.3 FS\_NSOEU\_WoP#3

**S5-224026 pCR TR 28.829 Business use case - MNO exposes Network Performance Monitoring**

 *Type: pCR For: Approval
 28.829 v0.2.0
 Source: Vodafone GmbH*

**Decision:** The document was **revised to S5-224434**.

**S5-224434 pCR TR 28.829 Business use case - MNO exposes Network Performance Monitoring**

 *Type: pCR For: Approval
 28.829 v0.2.0
 Source: Vodafone GmbH*

(Replaces S5-224026)

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

**S5-224027 pCR TR 28.829 Business use case - MNO exposes Network Service Alarm**

 *Type: pCR For: Approval
 28.829 v0.2.0
 Source: Vodafone GmbH*

**Decision:** The document was **revised to S5-224435**.

**S5-224435 pCR TR 28.829 Business use case - MNO exposes Network Service Alarm**

 *Type: pCR For: Approval
 28.829 v0.2.0
 Source: Vodafone GmbH*

(Replaces S5-224027)

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

##### 6.9.3.4 FS\_NSOEU\_WoP#4

##### 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

##### 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

##### 6.9.4.1 FS\_KQI\_5G\_WoP#1

**S5-224226 DP on scenarios of 5G KQI for video uploading, remote controlling and cloud VR**

 *Type: discussion For: Endorsement
 28.863 v..
 Source: Huawei*

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

**S5-224227 pCR TR 28.863 Issue#1 Difference of KPI, KQI and QoE**

 *Type: pCR For: Approval
 28.863 v0.2.0
 Source: Huawei*

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

**S5-224228 pCR TR 28.863 Issue#3 Video uploading description**

 *Type: pCR For: Approval
 28.863 v0.2.0
 Source: Huawei*

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

**S5-224229 pCR TR 28.863 Issue#4 Remote controlling description**

 *Type: pCR For: Approval
 28.863 v0.2.0
 Source: Huawei*

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

**S5-224230 pCR TR 28.863 Issue#5 scenarios of cloud VR description**

 *Type: pCR For: Approval
 28.863 v0.2.0
 Source: Huawei*

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

**S5-224231 pCR TR 28.863 Issue#3 requirements of KQIs for Video Uploading**

 *Type: pCR For: Approval
 28.863 v0.2.0
 Source: Huawei*

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

**S5-224232 pCR TR 28.863 Issue#4 requirements of KQIs for remote controling**

 *Type: pCR For: Approval
 28.863 v0.2.0
 Source: Huawei*

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

**S5-224233 pCR TR 28.863 Issue#5 requirements of KQIs for cloud VR**

 *Type: pCR For: Approval
 28.863 v0.2.0
 Source: Huawei*

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

##### 6.9.4.2 FS\_KQI\_5G\_WoP#2

**S5-224234 pCR TR 28.863 Key Issue#3 Solution of KQIs for Video Uploading**

 *Type: pCR For: Approval
 28.863 v0.2.0
 Source: Huawei*

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

##### 6.9.4.3 FS\_KQI\_5G\_WoP#3

##### 6.9.4.4 FS\_KQI\_5G\_WoP#4

##### 6.9.4.5 FS\_KQI\_5G\_WoP#5

#### 6.9.5 Study on Deterministic Communication Service Assurance

##### 6.9.5.1 FS\_DCSA\_WoP#1

##### 6.9.5.2 FS\_DCSA\_WoP#2

**S5-224055 pCR TR 28.865 Correct the inconsistence information in concept**

 *Type: pCR For: Approval
 28.865 v0.2.0
 Source: Huawei*

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

**S5-224214 pCR 28.865 Add solultion of service requirement modeling**

 *Type: pCR For: Approval
 28.865 v0.2.0
 Source: Huawei*

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

**S5-224215 pCR 28.865 Add solultion of network preparation**

 *Type: pCR For: Approval
 28.865 v0.2.0
 Source: Huawei*

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

##### 6.9.5.3 FS\_DCSA\_WoP#3

##### 6.9.5.4 FS\_DCSA\_WoP#4

**S5-224216 pCR 28.865 Update solution of service assurance for video monitoring**

 *Type: pCR For: Approval
 28.865 v0.2.0
 Source: Huawei*

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

**S5-224217 pCR 28.865 Update solution of service assurance for PLC control**

 *Type: pCR For: Approval
 28.865 v0.2.0
 Source: Huawei*

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

##### 6.9.5.5 FS\_DCSA\_WoP#5

#### 6.9.6 Study on management aspects of network slice management capability exposure

##### 6.9.6.1 FS\_NSCE\_WoP#1

##### 6.9.6.2 FS\_NSCE\_WoP#2

##### 6.9.6.3 FS\_NSCE\_WoP#3

**S5-224042 pCR 28.824 Updating Solution for Network slice management capability exposure**

 *Type: pCR For: Agreement
 28.824 v0.7.0
 Source: Samsung R&D Institute India*

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

**S5-224043 pCR 28.824 Updating use case for Network slice management capability exposure**

 *Type: pCR For: Agreement
 28.824 v0.7.0
 Source: Samsung R&D Institute India*

**Decision:** The document was **revised to S5-224436**.

**S5-224436 pCR 28.824 Updating use case for Network slice management capability exposure**

 *Type: pCR For: Agreement
 28.824 v0.7.0
 Source: Samsung R&D Institute India*

(Replaces S5-224043)

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

**S5-224081 pCR 28.824 Add exposure governance for three CAPIF alternatives**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Huawei*

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

**S5-224082 pCR 28.824 Possible solutions for CAPIF function entities implementation on management domain**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Huawei*

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

**S5-224085 pCR 28.824 Update of solution 7.9**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-224443**.

**S5-224443 pCR 28.824 Update of solution 7.9**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Alibaba Group*

(Replaces S5-224085)

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

**S5-224086 pCR 28.824 evaluation of solution 7.9**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Alibaba Group*

**Decision:** The document was **revised to S5-224442**.

**S5-224442 pCR 28.824 evaluation of solution 7.9**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Alibaba Group*

(Replaces S5-224086)

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

**S5-224119 pCR 28.824 Requirements related to authorized external consumers**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224437**.

**S5-224437 pCR 28.824 Requirements related to authorized external consumers**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Huawei*

(Replaces S5-224119)

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

**S5-224120 pCR 28.824 Editorial improvements**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Huawei*

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

**S5-224121 pCR 28.824 Add solution based on CAPIF ServiceAPIDescription**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Huawei*

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

**S5-224286 pCR TR 28.824 Divide clause 5.1.2 into issues and gaps**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-224287 pCR TR 28.824 Potential solution for management capability exposure alternative 1**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-224288 pCR TR 28.824 Rephrase or replace eMnS with exposed MnS**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-224289 pCR TR 28.824 Update introduction to procedures 4.1.4.1**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-224290 pCR TR 28.824 Update procedure in clause 4.1.4.5**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Ericsson LM, Deutsche Telekom*

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

**S5-224291 pCR TR 28.824 Update solution description for CAPIF alternative 2 and 3**

 *Type: pCR For: Approval
 28.824 v0.7.0
 Source: Ericsson LM, Deutsche Telekom*

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

##### 6.9.6.4 FS\_NSCE\_WoP#4

##### 6.9.6.5 FS\_NSCE\_WoP#5

#### 6.9.7 Study on alignment with ETSI MEC for Edge computing management

##### 6.9.7.1 FS\_MEC\_ECM\_WoP#1

**S5-224122 pCR 28.903 adding key issue for collocated management with MEC**

 *Type: pCR For: Approval
 28.903 v0.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224438**.

**S5-224438 pCR 28.903 adding key issue for collocated management with MEC**

 *Type: pCR For: Approval
 28.903 v0.2.0
 Source: Huawei*

(Replaces S5-224122)

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

**S5-224124 pCR 28.903 adding key issue for application lifecycle management**

 *Type: pCR For: Approval
 28.903 v0.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224439**.

**S5-224439 pCR 28.903 adding key issue for application lifecycle management**

 *Type: pCR For: Approval
 28.903 v0.2.0
 Source: Huawei*

(Replaces S5-224124)

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

##### 6.9.7.2 FS\_MEC\_ECM\_WoP#2

**S5-224123 pCR 28.903 adding key issue for resource reservation**

 *Type: pCR For: Approval
 28.903 v0.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224440**.

**S5-224440 pCR 28.903 adding key issue for resource reservation**

 *Type: pCR For: Approval
 28.903 v0.2.0
 Source: Huawei*

(Replaces S5-224123)

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

**S5-224125 pCR 28.903 adding key issue for deployment of application on containers**

 *Type: pCR For: Approval
 28.903 v0.2.0
 Source: Huawei*

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

**S5-224126 pCR 28.903 adding background information for GSMA OPG**

 *Type: pCR For: Approval
 28.903 v0.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224441**.

**S5-224441 pCR 28.903 adding background information for GSMA OPG**

 *Type: pCR For: Approval
 28.903 v0.2.0
 Source: Huawei*

(Replaces S5-224126)

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

### 6.10 Latest draft TS/TR email approvals

**S5-224399 Latest draft TS 28.317**

 *Type: draft TS For: Approval
 28.317 v0.2.0
 Source: China Mobile*

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

**S5-224400 Latest draft TR 28.909**

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

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

**S5-224401 Latest draft TR 28.910**

 *Type: draft TR For: Approval
 28.910 v0.3.0
 Source: China Mobile*

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

**S5-224402 Latest draft TR 28.912**

 *Type: draft TR For: Approval
 28.912 v0.3.0
 Source: Huawei*

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

**S5-224403 Latest draft TR 28.836**

 *Type: draft TR For: Approval
 28.836 v0.3.0
 Source: Ericsson*

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

**S5-224404 Latest draft TR 28.908**

 *Type: draft TR For: Approval
 28.908 v0.3.0
 Source: Intel*

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

**S5-224405 Latest draft TR 28.864**

 *Type: draft TR For: Approval
 28.864 v0.3.0
 Source: China Telecom*

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

**S5-224406 Latest draft TR 28.830**

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

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

**S5-224407 Latest draft TR 28.838**

 *Type: draft TR For: Approval
 28.838 v0.1.0
 Source: Intel*

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

**S5-224408 Latest draft TR 28.925**

 *Type: draft TR For: Approval
 28.925 v0.7.0
 Source: Huawei*

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

**S5-224409 Latest draft TR 28.831**

 *Type: draft TR For: Approval
 28.831 v0.3.0
 Source: Nokia*

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

**S5-224410 Latest draft TR 28.832**

 *Type: draft TR For: Approval
 28.832 v0.3.0
 Source: China Unicom*

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

**S5-224411 Latest draft TR 28.833**

 *Type: draft TR For: Approval
 28.833 v0.3.0
 Source: China Mobile*

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

**S5-224412 Latest draft TR 28.834**

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

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

**S5-224413 Latest draft TR 28.835**

 *Type: draft TR For: Approval
 28.835 v0.3.0
 Source: China Unicom*

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

**S5-224414 Latest draft TR 28.837**

 *Type: draft TR For: Approval
 28.837 v0.3.0
 Source: Nokia*

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

**S5-224415 Latest draft TR 28.818**

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

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

**S5-224416 Latest draft TR 28.841**

 *Type: draft TR For: Approval
 28.841 v0.1.0
 Source: China Unicom*

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

**S5-224417 Latest draft TR 28.907**

 *Type: draft TR For: Approval
 28.907 v0.3.0
 Source: Huawei*

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

**S5-224418 Latest draft TR 28.913**

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

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

**S5-224419 Latest draft TR 28.829**

 *Type: draft TR For: Approval
 28.829 v0.3.0
 Source: Samsung*

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

**S5-224420 Latest draft TR 28.863**

 *Type: draft TR For: Approval
 28.863 v..
 Source: Huawei*

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

**S5-224421 Latest draft TR 28.865**

 *Type: draft TR For: Approval
 28.865 v0.3.0
 Source: Huawei*

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

**S5-224422 Latest draft TR 28.824**

 *Type: draft TR For: Approval
 28.824 v0.8.0
 Source: Alibaba*

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

**S5-224423 Latest draft TR 28.903**

 *Type: draft TR For: Approval
 28.903 v0.3.0
 Source: Huawei*

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

## 7 Charging

### 7.1 Charging Plenary

**S5-224008 CH agenda and time plan**

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

**Decision:** The document was **revised to S5-224444**.

**S5-224444 CH agenda and time plan**

 *Type: agenda For: -
 Source: WG vice Chair (Matrixx)*

(Replaces S5-224008)

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

**S5-224009 Charging exec report**

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

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

**S5-224245 Reply LS on name of the interface for usage information collection**

 *Type: LS out For: Approval
 to CT1, cc SA2
 Source: CATT*

**Decision:** The document was **revised to S5-224463**.

**S5-224318 LS on name of the interface for usage information collection**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: C1-224296*

**Decision:** The document was **replied to in S5-224463**.

**S5-224463 Reply to: LS on name of the interface for usage information collection**

 *Type: LS out For: approval
 to CT1, cc SA2
 Source: CATT*

(Replaces S5-224245)

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

**S5-224320 Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism**

 *Type: LS in For: (not specified)
 Original outgoing LS: -, to -, cc -
 Source: C3-223669*

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

**S5-224462 Draft CR Correction on the name of interface for usage information collection**

 *Type: draftCR For: Approval
 32.277 v17.2.0
 Source: CATT*

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

### 7.2 New Charging Work Item proposals

**S5-224157 New SID on Time Sensitive Networking charging**

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

**Decision:** The document was **revised to S5-224479**.

**S5-224479 New SID on Time Sensitive Networking charging**

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

(Replaces S5-224157)

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

### 7.3 Charging Maintenance and Rel-18 small Enhancements

### 7.4 Rel-18 Charging

#### 7.4.1 Multimedia Messaging Service Charging using service-based interface

### 7.5 Charging studies

#### 7.5.1 Study on charging aspects for enhancements of Network Slicing Phase 2

#### 7.5.2 Study on Nchf charging services phase 2

**S5-224138 Rel-18 pCR 28.826 Update the Reference**

 *Type: pCR For: Agreement
 28.826 v0.5.0
 Source: Huawei*

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

**S5-224139 Rel-18 pCR 28.826 Addition of Threshold based re-authorization triggers optimization**

 *Type: pCR For: Agreement
 28.826 v0.5.0
 Source: Huawei*

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

**S5-224140 Rel-18 pCR 28.826 Add the Solution for the clause 5.4**

 *Type: pCR For: Agreement
 28.826 v0.5.0
 Source: Huawei*

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

**S5-224141 Rel-18 pCR 28.826 Add the QoS solution for CHF Rating**

 *Type: pCR For: Agreement
 28.826 v0.5.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224464**.

**S5-224464 Rel-18 pCR 28.826 Add the QoS solution for CHF Rating**

 *Type: pCR For: Agreement
 28.826 v0.5.0
 Source: Huawei*

(Replaces S5-224141)

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

**S5-224142 Rel-18 pCR 28.826 Add the General for NB mechanism enhancement**

 *Type: pCR For: Agreement
 28.826 v0.5.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224465**.

**S5-224465 Rel-18 pCR 28.826 Add the General for NB mechanism enhancement**

 *Type: pCR For: Agreement
 28.826 v0.5.0
 Source: Huawei*

(Replaces S5-224142)

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

**S5-224143 Rel-18 pCR 28.826 Add the Evaluation for clause 5.2**

 *Type: pCR For: Agreement
 28.826 v0.5.0
 Source: Huawei*

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

**S5-224144 Rel-18 pCR 28.826 Add the Additional Information for CHF Rating**

 *Type: pCR For: Agreement
 28.826 v0.5.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224466**.

**S5-224466 Rel-18 pCR 28.826 Add the Additional Information for CHF Rating**

 *Type: pCR For: Agreement
 28.826 v0.5.0
 Source: Huawei*

(Replaces S5-224144)

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

**S5-224191 Rel-18 pCR 28.826 Adding solution in clause 5.1 using new trigger category**

 *Type: pCR For: Approval
 28.826 v0.4.0
 Source: Ericsson LM*

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

**S5-224192 Rel-18 pCR 28.826 Adding issue and solution to identifying non-blocking mode**

 *Type: pCR For: Approval
 28.826 v0.4.0
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-224467**.

**S5-224467 Rel-18 pCR 28.826 Adding issue and solution to identifying non-blocking mode**

 *Type: pCR For: Approval
 28.826 v0.4.0
 Source: Ericsson LM*

(Replaces S5-224192)

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

**S5-224193 Rel-18 pCR 28.826 Adding solution for non-blocking mode change using PCF**

 *Type: pCR For: Approval
 28.826 v0.5.0
 Source: Ericsson LM*

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

**S5-224194 Rel-18 pCR 28.826 Correcting clause 5.5.5.2**

 *Type: pCR For: Approval
 28.826 v0.5.0
 Source: Ericsson LM*

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

**S5-224195 Rel-18 pCR 28.826 Correcting clause 5.2.5**

 *Type: pCR For: Approval
 28.826 v0.5.0
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-224481**.

**S5-224481 Rel-18 pCR 28.826 Correcting clause 5.2.5**

 *Type: pCR For: Approval
 28.826 v0.5.0
 Source: Ericsson LM*

(Replaces S5-224195)

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

**S5-224196 Rel-18 pCR 28.826 Adding use case and solution for cancel failed session charging**

 *Type: pCR For: Approval
 28.826 v0.5.0
 Source: Ericsson LM*

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

**S5-224197 Rel-18 pCR 28.826 Adding solution for cancel failed event**

 *Type: pCR For: Approval
 28.826 v0.5.0
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-224468**.

**S5-224468 Rel-18 pCR 28.826 Adding solution for cancel failed event**

 *Type: pCR For: Approval
 28.826 v0.5.0
 Source: Ericsson LM*

(Replaces S5-224197)

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

**S5-224459 Draft TR 28.826**

 *Type: draft TR For: Approval
 28.826 v0.6.0
 Source: Ericsson*

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

#### 7.5.3 Study on 5G roaming charging architecture for wholesale and retail scenarios

**S5-224145 Rel-18 pCR 28.827 Correction on the clauses in the topic 7.1 and 7.2**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

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

**S5-224146 Rel-18 pCR 28.827 Clarification on the Roaming Charging Profile for HR**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224469**.

**S5-224469 Rel-18 pCR 28.827 Clarification on the Roaming Charging Profile for HR**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

(Replaces S5-224146)

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

**S5-224147 Rel-18 pCR 28.827 Add the solution of V-SMF connect to V-CHF with two charging sessions**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

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

**S5-224148 Rel-18 pCR 28.827 Add the solution of V-SMF connects to V-CHF with single charging session**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

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

**S5-224149 Rel-18 pCR 28.827 Add the solution for the roaming charging profile between V-CHF and H-CHF**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

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

**S5-224150 Rel-18 pCR 28.827 Add the solution for the charging session granularity**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224470**.

**S5-224470 Rel-18 pCR 28.827 Add the solution for the charging session granularity**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

(Replaces S5-224150)

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

**S5-224151 Rel-18 pCR 28.827 Add the solution for the charging information granularity**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224471**.

**S5-224471 Rel-18 pCR 28.827 Add the solution for the charging information granularity**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

(Replaces S5-224151)

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

**S5-224152 Rel-18 pCR 28.827 Add the new use case and solution for Roaming Charging Profile Update**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

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

**S5-224153 Rel-18 pCR 28.827 Add the key issues for the FBC negotiation**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224472**.

**S5-224472 Rel-18 pCR 28.827 Add the key issues for the FBC negotiation**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

(Replaces S5-224153)

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

**S5-224154 Rel-18 pCR 28.827 Add the key issue for QoS flow level of QBC triggers setting**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224473**.

**S5-224473 Rel-18 pCR 28.827 Add the key issue for QoS flow level of QBC triggers setting**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

(Replaces S5-224154)

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

**S5-224155 Rel-18 pCR 28.827 Add the key issue about the negotiation for FBC triggers and QBC triggers**

 *Type: pCR For: Agreement
 28.827 v1.2.0
 Source: Huawei*

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

**S5-224198 Rel-18 pCR 28.827 Correcting message flows in clause 7.2.4**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-224474**.

**S5-224474 Rel-18 pCR 28.827 Correcting message flows in clause 7.2.4**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

(Replaces S5-224198)

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

**S5-224199 Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.1**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

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

**S5-224200 Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.2**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

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

**S5-224201 Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.3**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

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

**S5-224202 Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.4**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

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

**S5-224203 Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.5**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

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

**S5-224204 Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.6**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

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

**S5-224205 Rel-18 pCR 28.827 Adding solutions in clause 7.1 for VPLMN wholesale charging of HPLMN**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-224475**.

**S5-224475 Rel-18 pCR 28.827 Adding solutions in clause 7.1 for VPLMN wholesale charging of HPLMN**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

(Replaces S5-224205)

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

**S5-224206 Rel-18 pCR 28.827 Adding solutions in  clause 7.1 for roaming charging profile**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-224476**.

**S5-224476 Rel-18 pCR 28.827 Adding solutions in  clause 7.1 for roaming charging profile**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

(Replaces S5-224206)

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

**S5-224207 Rel-18 pCR 28.827 Adding solutions in clause 7.2 for trigger handling between vCHF and hCHF**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

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

**S5-224208 Rel-18 pCR 28.827 Adding solution in clause 7.2 using roaming charging profile for triggers**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-224477**.

**S5-224477 Rel-18 pCR 28.827 Adding solution in clause 7.2 using roaming charging profile for triggers**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

(Replaces S5-224208)

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

**S5-224209 Rel-18 pCR 28.827 Adding use case in clause 7.4 where there is a reseller**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

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

**S5-224210 Rel-18 pCR 28.827 Adding use case in clause 7.5 for roaming where there is a reseller**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

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

**S5-224211 Rel-18 pCR 28.827 Adding solution in clause 7.6 for reconciliation**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

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

**S5-224212 Rel-18 pCR 28.827 Adding solutions in clause 7.4 for CHF to CHF communication**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

**Decision:** The document was **revised to S5-224478**.

**S5-224478 Rel-18 pCR 28.827 Adding solutions in clause 7.4 for CHF to CHF communication**

 *Type: pCR For: Approval
 28.827 v1.2.0
 Source: Ericsson LM*

(Replaces S5-224212)

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

**S5-224460 Draft TR 28.827**

 *Type: draft TR For: Approval
 28.827 v1.3.0
 Source: Ericsson*

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

#### 7.5.4 Study on Charging Aspects for Enhanced support of Non-Public Networks

**S5-224156 Rel-18 pCR 28.828 The New Topic about access to PLMN services via SNPN**

 *Type: pCR For: Agreement
 28.828 v0.2.0
 Source: Huawei*

**Decision:** The document was **revised to S5-224480**.

**S5-224480 Rel-18 pCR 28.828 The New Topic about access to PLMN services via SNPN**

 *Type: pCR For: Agreement
 28.828 v0.2.0
 Source: Huawei*

(Replaces S5-224156)

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

**S5-224187 Rel-18 pCR 28.828 Addition of solution for end user charging for PNI-NPN network access and usage**

 *Type: pCR For: Approval
 28.828 v0.2.0
 Source: China Mobile*

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

**S5-224188 Rel-18 pCR 28.828 Adding charging scenarios and key issues for PNI-NPN in topic 1**

 *Type: pCR For: Approval
 28.828 v0.2.0
 Source: China Mobile*

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

**S5-224189 Rel-18 pCR 28.828 Addition of solution for converged charging for number of UEs**

 *Type: pCR For: Approval
 28.828 v0.2.0
 Source: China Mobile*

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

**S5-224461 Draft TR 28.828**

 *Type: draft TR For: Approval
 28.828 v0.3.0
 Source: China Mobile*

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

## 8 Any Other Business

## 9 Closing of the meeting

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S5-224000 | Agenda | WG Chair | approved |  |  |
| S5-224001 | Report from last SA5 meeting | MCC | approved |  |  |
| S5-224002 | e-meeting process | WG Chair | noted |  |  |
| S5-224003 | Post e-meeting email approval status | WG Chair | available |  |  |
| S5-224004 | OAM&P action list | WG Vice Chair (Huawei) | noted |  |  |
| S5-224005 | agenda\_with\_Tdocs\_sequence\_proposal\_OAM | WG Vice Chair (Huawei) | noted |  |  |
| S5-224006 | OAM Exec Report | WG Vice Chair (Huawei) | noted |  |  |
| S5-224007 | OAM Chair notes and conclusions | WG Chair | noted |  |  |
| S5-224008 | CH agenda and time plan | WG vice Chair (Matrixx) | revised |  | S5-224444 |
| S5-224009 | Charging exec report | WG vice Chair (Matrixx) | noted |  |  |
| S5-224010 | SA5 working procedures | WG Chair | approved |  |  |
| S5-224011 | Collection of useful endorsed document and external communication documents | WG Vice Chair (Huawei) | noted |  |  |
| S5-224012 | Collection of Rel-18 3GPP SA5 OAM WoP | WG Vice Chair (Huawei) | revised |  | S5-224345 |
| S5-224013 | Living document for stage 2-3 alignment | WG Chair | withdrawn |  |  |
| S5-224014 | Process for management of draft TS-TRs | WG Chair | revised |  | S5-224344 |
| S5-224015 | SA5 meeting calendar | WG Chair | noted |  |  |
| S5-224016 | Rel-18 New WID on enhancement of governance and monitoring of closed control loop | ZTE Corporation, China Telecom | noted |  |  |
| S5-224017 | Rel-18 InputTodraftCR 28.538 EASFunction IOC and EESFunction IOC | AsiaInfo Technologies Inc | revised | S5-223564 | S5-224354 |
| S5-224018 | Rel-18 InputToDraftCR 28.538 Add modification procedures and query procedures | AsiaInfo Technologies Inc | noted |  |  |
| S5-224019 | DP on number of OAM Rel-18 work/study items | WG chair, Vice chair (Huawei) | revised |  | S5-224381 |
| S5-224020 | pCR 28.908 Requirements on AIML context | Nokia Italy | revised |  | S5-224364 |
| S5-224021 | pCR 28.908 Requirements on AIML Inference History | Nokia Italy | revised |  | S5-224367 |
| S5-224022 | pCR 28.908 Requirements on Coordinating AIML inference | Nokia Italy | noted |  |  |
| S5-224023 | pCR 28.908 Requirements on AIML Testing | Nokia Italy | revised |  | S5-224369 |
| S5-224024 | pCR 28.908 Requirements on AIMLEntity Capability Discovery | Nokia Italy | revised |  | S5-224386 |
| S5-224025 | 4. S5-xxxxxxx pCR 28.908 Requirements on Pre-processed event data for ML training | Nokia Italy | revised |  | S5-224370 |
| S5-224026 | pCR TR 28.829 Business use case - MNO exposes Network Performance Monitoring | Vodafone GmbH | revised |  | S5-224434 |
| S5-224027 | pCR TR 28.829 Business use case - MNO exposes Network Service Alarm | Vodafone GmbH | revised |  | S5-224435 |
| S5-224028 | SA5 Working Procedures | Nokia Shanghai Bell | revised |  | S5-224346 |
| S5-224029 | Rel-18 TR 28.838 v0.0.0 | Intel Korea, Ltd. | approved |  |  |
| S5-224030 | pCR 28.838 skeleton | Intel Korea, Ltd. | approved |  |  |
| S5-224031 | pCR 28.838 scope | Intel Korea, Ltd. | approved |  |  |
| S5-224032 | pCR 28.838 overview | Intel Korea, Ltd. | revised |  | S5-224379 |
| S5-224033 | Rel-18 CR 28.552 Add the per SSB RSRQ and SINR measurements | Intel Korea, Ltd. | withdrawn |  |  |
| S5-224034 | R18 draftCR TS 28.552 Add remote interference related performance measurement | China Telecom Corporation Ltd., Huawei | revised |  | S5-224356 |
| S5-224035 | Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC | Intel Korea, Ltd. | withdrawn |  |  |
| S5-224036 | Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC | Intel Korea, Ltd. | withdrawn |  |  |
| S5-224037 | Rel-18 CR 28.538 Revise EAS VNF instantiation procedure | Intel Korea, Ltd. | withdrawn |  |  |
| S5-224038 | Rel-18 CR 28.538 Revise EAS VNF termination procedure | Intel Korea, Ltd. | withdrawn |  |  |
| S5-224039 | Rel-18 CR 28.538 Revise EAS VNF update procedure | Intel Korea, Ltd. | withdrawn |  |  |
| S5-224040 | Rel-18 InputTodraftCR 28.538 Add EASProfile configurations | AsiaInfo Technologies Inc | noted |  |  |
| S5-224041 | Add key issue for autonomous network level for network slice provisioning | AsiaInfo Technologies Inc,CMCC | noted |  |  |
| S5-224042 | pCR 28.824 Updating Solution for Network slice management capability exposure | Samsung R&D Institute India | noted |  |  |
| S5-224043 | pCR 28.824 Updating use case for Network slice management capability exposure | Samsung R&D Institute India | revised |  | S5-224436 |
| S5-224044 | InputToDraftCR 28.538 EAS Profile | Samsung R&D Institute India | noted |  |  |
| S5-224045 | InputToDraftCR 28.538 Asynchronous support | Samsung R&D Institute India | noted |  |  |
| S5-224046 | pCR TR 28.909 Add key issues for KEI of autonomous network levels evaluation for radio network optimization  | Huawei,China Mobile | noted | S5-223324 |  |
| S5-224047 | pCR TR 28.909 Add general process of evaluating the autonomous network level | Huawei,China Mobile | noted | S5-223325 |  |
| S5-224048 | DP on new specification for TS 28.622 in the context of SBMA with new structure proposal | Huawei | revised |  | S5-224347 |
| S5-224049 | pCR TR 28.910 Add key issues for enhancement of network optimization | Huawei,China Mobile | noted |  |  |
| S5-224050 | pCR TR 28.910 Add key issues for enhancement of ANL for RAN NE deployment | Huawei,China Mobile | noted |  |  |
| S5-224051 | pCR TR 28.912 Add issue for intent Report | Huawei, Deutsche Telekom | revised |  | S5-224358 |
| S5-224052 | pCR TR 28.912 Update issue for intent confliction | Huawei, Deutsche Telekom | revised |  | S5-224263 |
| S5-224053 | pCR TR 28.912 Add conclusion and recommendation for existing issues | Huawei, Deutsche Telekom | revised |  | S5-224362 |
| S5-224054 | pCR TR 28.912 Add issue for mapping intent operations between 3GPP and TM Forum | Huawei, Deutsche Telekom | revised |  | S5-224363 |
| S5-224055 | pCR TR 28.865 Correct the inconsistence information in concept | Huawei | approved |  |  |
| S5-224056 | LS on 3GPP SA5 work on intent driven management | Huawei | revised |  | S5-224343 |
| S5-224057 | Rel-18 CR 28.552 Add the per SSB RSRQ and SINR measurements | Intel Korea, Ltd. | approved |  |  |
| S5-224058 | Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC | Intel Korea, Ltd. | noted |  |  |
| S5-224059 | Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC | Intel Korea, Ltd. | noted |  |  |
| S5-224060 | Rel-18 CR 28.538 Revise EAS VNF instantiation procedure | Intel Korea, Ltd. | noted |  |  |
| S5-224061 | Rel-18 CR 28.538 Revise EAS VNF termination procedure | Intel Korea, Ltd. | noted |  |  |
| S5-224062 | Rel-18 CR 28.538 Revise EAS VNF update procedure | Intel Korea, Ltd. | noted |  |  |
| S5-224063 | Discussion for LS of dynamic EAS VNF instantiation | Intel Korea, Ltd. | noted |  |  |
| S5-224064 | Reply LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation | Intel Korea, Ltd. | revised |  | S5-224387 |
| S5-224065 | TR 28.841-0.0.0 initial skeleton | China Unicom | approved |  |  |
| S5-224066 | pCR 28.841 Add TR structure | China Unicom | approved |  |  |
| S5-224067 | pCR TR 28.841 Add Scope | China Unicom | approved |  |  |
| S5-224068 | pCR TR 28.841 Add Introduction | China Unicom | approved |  |  |
| S5-224069 | Add use case of Intent driven management for network slice feasibility check | AsiaInfo Technologies Inc | withdrawn |  |  |
| S5-224070 | DP on mapping of network slice operations and intent operations | AsiaInfo Technologies Inc | noted |  |  |
| S5-224071 | Rel-18 TS28.532 enhance OpenAPI to support access control | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224072 | Rel-18 TS28.622 enhance NRM to support access control | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224073 | Rel-18 TS28.623 enhance NRM to support access control Stage 3 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224074 | Rel-18 TS28.533 enhancement to support access control | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224075 | TS28.541 Rel-18 Enhance 5G Core managed NF Profile NRM fragment | Nokia, Nokia Shanghai Bell | revised |  | S5-224348 |
| S5-224076 | TS28.541 Rel-18 NRM enhancements for UPFFunction | Nokia, Nokia Shanghai Bell | revised |  | S5-224349 |
| S5-224077 | Add use case of Intent driven management for network slice management capability exposure | AsiaInfo Technologies Inc | noted |  |  |
| S5-224078 | pCR 28.907 Update performance data collection procedure | Huawei | approved |  |  |
| S5-224079 | pCR 28.907 Potential solution for SLA monitoring and evaluation | Huawei | approved |  |  |
| S5-224080 | pCR 28.907 Rapporteur proposal | Huawei | approved |  |  |
| S5-224081 | pCR 28.824 Add exposure governance for three CAPIF alternatives | Huawei | noted |  |  |
| S5-224082 | pCR 28.824 Possible solutions for CAPIF function entities implementation on management domain | Huawei | noted |  |  |
| S5-224083 | Rel-18 pCR 28.837 Key Issue on alignment of “Report Amount” parameter for Immediate MDT measurements | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-224084 | pCR 28.841 Add concepts and background | China Unicom | revised |  | S5-224433 |
| S5-224085 | pCR 28.824 Update of solution 7.9 | Alibaba Group | revised |  | S5-224443 |
| S5-224086 | pCR 28.824 evaluation of solution 7.9 | Alibaba Group | revised |  | S5-224442 |
| S5-224087 | Rel-18 draftCR TS 28.552 Add measurements for UE throughput of Dedicated BWP  | China Telecom Corporation Ltd., ZTE | noted |  |  |
| S5-224088 | DP on Modelling AIML Entity | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224089 | DP on PM/KPI based analytics | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224090 | pCR 28.913 Add new Key Issue - EE KPI for V2X network slice | Huawei Technologies France | approved |  |  |
| S5-224091 | pCR 28.913 Correcting vocabulary for CNF | Huawei Technologies France | approved |  |  |
| S5-224092 | pCR TR 28.835 Add potential solutions to address the no PLMN ID at NRcellCU issue | ZTE Corporation. | noted |  |  |
| S5-224093 | pCR 28.913 Considering additional virtual resources usage to estimate VNF EC | Huawei Technologies France | noted |  |  |
| S5-224094 | pCR TR 28.835 Add issue and potential solution for collection of operator specific performance measurements | ZTE Corporation. | noted |  |  |
| S5-224095 | Concept Proposal for Draft TS 28.317 | China Mobile, Huawei | noted |  |  |
| S5-224096 | pCR 28.913 Add new Key Issue - Customer accepts QoS degradation to save energy | Huawei Technologies France | approved |  |  |
| S5-224097 | TS 28.317 Use cases and requirements for ARCF data handling | China Mobile, Huawei | noted |  |  |
| S5-224098 | pCR 28.909 Add ANLS evaluation of autonomous network | ZTE Corporation,China Mobile | noted |  |  |
| S5-224099 | TS 28.317 Use cases and requirements for Self-configuration Management | China Mobile, Huawei | noted |  |  |
| S5-224100 | LS to NGMN GFN and GSMA NG on Customer acceptation of QoS degradation to save energy | Huawei Technologies France | approved |  |  |
| S5-224101 | pCR TR 28.908 Add AIML capabilities deployment scenarios | Huawei, Nokia, Ericsson | merged |  | S5-224365 |
| S5-224102 | pCR TR 28.908 Add use case on AI-ML model update | Huawei | revised |  | S5-224371 |
| S5-224103 | pCR TR 28.908 Add use case on AI-ML model deployment | Huawei | noted |  |  |
| S5-224104 | Add use case of Intent driven management for network slice feasibility check  | AsiaInfo Technologies Inc | noted |  |  |
| S5-224105 | pCR 28.834 Add use case for VNFC failover | Huawei | revised |  | S5-224428 |
| S5-224106 | pCR 28.834 Add background of supported LCM procedures | Huawei | noted |  |  |
| S5-224107 | pCR 28.834 Add concepts from ETSI NFV | Huawei | noted |  |  |
| S5-224108 | pCR 28.834 Add use case for NF creation as cloud native VNF | Huawei | noted |  |  |
| S5-224109 | pCR 28.834 Add use case for VNF instantiation | Huawei | noted |  |  |
| S5-224110 | pCR 28.834 Add use case for VNF scaling | Huawei | revised |  | S5-224431 |
| S5-224111 | pCR TR 28.910 Add key issue for autonomous network level for 5GC network disaster recovery | Huawei | noted |  |  |
| S5-224112 | pCR TR 28.912 add potential solution for 5GC intent expectation | Huawei | revised |  | S5-224361 |
| S5-224113 | pCR TR 28.836 add use case of slice modification | Huawei | noted |  |  |
| S5-224114 | pCR TR 28.836 add intent LCM | Huawei | noted |  |  |
| S5-224115 | pCR TR 28.836 add intent model IntentExpectation for network slicing instance | Huawei | noted |  |  |
| S5-224116 | pCR TR 28.836 add potential ExpectationTarget for intent MnS | Huawei | noted |  |  |
| S5-224117 | pCR 28.833 add one key issue for PDU session management | Huawei | approved |  |  |
| S5-224118 | pCR 28.833 add one key issue for performance measurements per 5G VN group | China Southern Power Grid, Huawei | approved |  |  |
| S5-224119 | pCR 28.824 Requirements related to authorized external consumers | Huawei | revised |  | S5-224437 |
| S5-224120 | pCR 28.824 Editorial improvements | Huawei | approved |  |  |
| S5-224121 | pCR 28.824 Add solution based on CAPIF ServiceAPIDescription | Huawei | approved |  |  |
| S5-224122 | pCR 28.903 adding key issue for collocated management with MEC | Huawei | revised |  | S5-224438 |
| S5-224123 | pCR 28.903 adding key issue for resource reservation | Huawei | revised |  | S5-224440 |
| S5-224124 | pCR 28.903 adding key issue for application lifecycle management | Huawei | revised |  | S5-224439 |
| S5-224125 | pCR 28.903 adding key issue for deployment of application on containers | Huawei | noted |  |  |
| S5-224126 | pCR 28.903 adding background information for GSMA OPG | Huawei | revised |  | S5-224441 |
| S5-224127 | pCR 28.910 Add introduction on relevant SI/WI in 3GPP | China Mobile, Huawei | noted | S5-223318 |  |
| S5-224128 | pCR TR 28.910 Add key issue for enhancement of ANL for fault management | China Mobile, Huawei | noted |  |  |
| S5-224129 | pCR 28.909 Add key issue of dimensions for autonomous network levels | China Mobile, Huawei | noted | S5-223319 |  |
| S5-224130 | pCR TR 28.909 Add key issues of generic methodology for autonomous network levels evaluation | China Mobile, Huawei | noted | S5-223320 |  |
| S5-224131 | Add sulotion for URLLC performance measurements related to latency | China Unicom, CATT | noted |  |  |
| S5-224132 | Discussion on URLLC performance measurements related to latency and reliability | China Unicom | noted |  |  |
| S5-224133 | Discussion on URLLC performance measurements related to resource load of URLLC services | China Unicom | noted |  |  |
| S5-224134 | Add Key Issue on URLLC Performance measurements | China Unicom | noted |  |  |
| S5-224135 | Add solution for URLLC performance measurements related to DL resource load | China Unicom | noted |  |  |
| S5-224136 | Add solution for URLLC performance measurements related to UL resource load with cancellation indication | China Unicom | noted |  |  |
| S5-224137 | Add solution for URLLC performance measurements related to UL resource load with power boosting | China Unicom | noted |  |  |
| S5-224138 | Rel-18 pCR 28.826 Update the Reference | Huawei | approved |  |  |
| S5-224139 | Rel-18 pCR 28.826 Addition of Threshold based re-authorization triggers optimization | Huawei | noted |  |  |
| S5-224140 | Rel-18 pCR 28.826 Add the Solution for the clause 5.4 | Huawei | noted |  |  |
| S5-224141 | Rel-18 pCR 28.826 Add the QoS solution for CHF Rating | Huawei | revised |  | S5-224464 |
| S5-224142 | Rel-18 pCR 28.826 Add the General for NB mechanism enhancement | Huawei | revised |  | S5-224465 |
| S5-224143 | Rel-18 pCR 28.826 Add the Evaluation for clause 5.2 | Huawei | noted |  |  |
| S5-224144 | Rel-18 pCR 28.826 Add the Additional Information for CHF Rating | Huawei | revised |  | S5-224466 |
| S5-224145 | Rel-18 pCR 28.827 Correction on the clauses in the topic 7.1 and 7.2 | Huawei | noted |  |  |
| S5-224146 | Rel-18 pCR 28.827 Clarification on the Roaming Charging Profile for HR | Huawei | revised |  | S5-224469 |
| S5-224147 | Rel-18 pCR 28.827 Add the solution of V-SMF connect to V-CHF with two charging sessions | Huawei | noted |  |  |
| S5-224148 | Rel-18 pCR 28.827 Add the solution of V-SMF connects to V-CHF with single charging session | Huawei | noted |  |  |
| S5-224149 | Rel-18 pCR 28.827 Add the solution for the roaming charging profile between V-CHF and H-CHF | Huawei | noted |  |  |
| S5-224150 | Rel-18 pCR 28.827 Add the solution for the charging session granularity | Huawei | revised |  | S5-224470 |
| S5-224151 | Rel-18 pCR 28.827 Add the solution for the charging information granularity | Huawei | revised |  | S5-224471 |
| S5-224152 | Rel-18 pCR 28.827 Add the new use case and solution for Roaming Charging Profile Update | Huawei | noted |  |  |
| S5-224153 | Rel-18 pCR 28.827 Add the key issues for the FBC negotiation | Huawei | revised |  | S5-224472 |
| S5-224154 | Rel-18 pCR 28.827 Add the key issue for QoS flow level of QBC triggers setting | Huawei | revised |  | S5-224473 |
| S5-224155 | Rel-18 pCR 28.827 Add the key issue about the negotiation for FBC triggers and QBC triggers | Huawei | merged |  | S5-224473 |
| S5-224156 | Rel-18 pCR 28.828 The New Topic about access to PLMN services via SNPN | Huawei | revised |  | S5-224480 |
| S5-224157 | New SID on Time Sensitive Networking charging | Huawei | revised |  | S5-224479 |
| S5-224158 | Add solution for URLLC performance measurements related to reliability | China Unicom | noted |  |  |
| S5-224159 | draftCR TS 28.541 Add missing pLMNInfoList attribute for OperatorDU and GNBDUFunction | China Unicom | noted |  |  |
| S5-224160 | pCR TR28.925 Add conclusion for overview and usage guide for SBMA specifications | HuaWei Technologies Co., Ltd | approved |  |  |
| S5-224161 | pCR TR28.925 Add description on MnFs to be managed | HuaWei Technologies Co., Ltd | noted |  |  |
| S5-224162 | pCR TR 28.835 Add key issue remote access requirement of MOP-SR-DM for each POP | China Unicom | approved |  |  |
| S5-224163 | pCR TR 28.835 Add potential solution for management requirement between MOP-NM and MOP-SR-DM | China Unicom | revised |  | S5-224432 |
| S5-224164 | pCR TR 28.835 Add potential solution for performance measurements without PLMN ID at NRcellCU | China Unicom | noted |  |  |
| S5-224165 | pCR TR 28.835 Add potential solution for remote access requirement of MOP-SR-DM for each POP | China Unicom | approved |  |  |
| S5-224166 | Rel-18 draftCR 28.552 Add beam specific inter-system handover counters related to MRO | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-224167 | Rel-16 draftCR 28.313 Correction of intra-RAT and inter-RAT too early and too late handover failures description | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224168 | Rel-18 draftCR 28.313 Add beam specific inter-system handover counters related to MRO | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-224169 | Rel-18 Input to draftCR 28.622 Add Scheduler IOC (stage 2) | Nokia, Nokia Shanghai Bell | revised | S5-223180 | S5-224350 |
| S5-224170 | Rel-18 Input to draftCR 28.623 Add Scheduler IOC (stage 3) | Nokia, Nokia Shanghai Bell | approved | S5-223181 |  |
| S5-224171 | Rel-18 Input to draftCR 28.622 Enhance PerfMetricJob by service execution condition (stage 2) | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224172 | Rel-18 Input to draftCR 28.623 Enhance PerfMetricJob by service execution condition (stage 3) | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224173 | Rel-18 pCR 28.837 Solution to Issue Gaps in Signalling Based Trace Activation | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-224174 | Rel-18 pCR 28.837 Reporting of Collected Management Data | Nokia, Nokia Shanghai Bell | approved | S5-223403 |  |
| S5-224175 | Rel-18 Input to draftCR 28.622 Add missing definitions of common data types | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224176 | Discussion on Date/Time Format Definition | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224177 | pCR 28.864 Potential solution on service usage of NWDAF | Nokia Italy | withdrawn |  |  |
| S5-224178 | pCR 28.912 Intent-driven Closed Loop Composition | Nokia Italy | revised |  | S5-224359 |
| S5-224179 | pCR TR 28.830 Add background | China Mobile, Huawei | noted |  |  |
| S5-224180 | pCR TR 28.830 Add relation description with existing MnS | China Mobile, Huawei | noted |  |  |
| S5-224181 | pCR TR 28.830 Add description of key issue service outage | China Mobile, Huawei | noted |  |  |
| S5-224182 | pCR TR 28.830 Add description of key issue performance degradation | China Mobile, Huawei | noted |  |  |
| S5-224183 | pCR TR 28.830 Add description of key issue 5GC service failure prediction | China Mobile, Huawei | noted |  |  |
| S5-224184 | pCR TR 28.830 Add solution of key issue service outage | China Mobile, Huawei | noted |  |  |
| S5-224185 | pCR TR 28.830 Add solution of key issue performance degradation | China Mobile, Huawei | noted |  |  |
| S5-224186 | pCR TR 28.830 Add solution of key issue 5GC service failure prediction | China Mobile, Huawei | noted |  |  |
| S5-224187 | Rel-18 pCR 28.828 Addition of solution for end user charging for PNI-NPN network access and usage | China Mobile | approved |  |  |
| S5-224188 | Rel-18 pCR 28.828 Adding charging scenarios and key issues for PNI-NPN in topic 1 | China Mobile | approved |  |  |
| S5-224189 | Rel-18 pCR 28.828 Addition of solution for converged charging for number of UEs | China Mobile | approved |  |  |
| S5-224190 | Study on Data Management | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224191 | Rel-18 pCR 28.826 Adding solution in clause 5.1 using new trigger category | Ericsson LM | noted |  |  |
| S5-224192 | Rel-18 pCR 28.826 Adding issue and solution to identifying non-blocking mode | Ericsson LM | revised |  | S5-224467 |
| S5-224193 | Rel-18 pCR 28.826 Adding solution for non-blocking mode change using PCF | Ericsson LM | noted |  |  |
| S5-224194 | Rel-18 pCR 28.826 Correcting clause 5.5.5.2 | Ericsson LM | approved |  |  |
| S5-224195 | Rel-18 pCR 28.826 Correcting clause 5.2.5 | Ericsson LM | revised |  | S5-224481 |
| S5-224196 | Rel-18 pCR 28.826 Adding use case and solution for cancel failed session charging | Ericsson LM | noted |  |  |
| S5-224197 | Rel-18 pCR 28.826 Adding solution for cancel failed event | Ericsson LM | revised |  | S5-224468 |
| S5-224198 | Rel-18 pCR 28.827 Correcting message flows in clause 7.2.4 | Ericsson LM | revised |  | S5-224474 |
| S5-224199 | Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.1 | Ericsson LM | approved |  |  |
| S5-224200 | Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.2 | Ericsson LM | noted |  |  |
| S5-224201 | Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.3 | Ericsson LM | approved |  |  |
| S5-224202 | Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.4 | Ericsson LM | approved |  |  |
| S5-224203 | Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.5 | Ericsson LM | approved |  |  |
| S5-224204 | Rel-18 pCR 28.827 Mapping requirement and issue mapping in clause 7.6 | Ericsson LM | approved |  |  |
| S5-224205 | Rel-18 pCR 28.827 Adding solutions in clause 7.1 for VPLMN wholesale charging of HPLMN | Ericsson LM | revised |  | S5-224475 |
| S5-224206 | Rel-18 pCR 28.827 Adding solutions in  clause 7.1 for roaming charging profile | Ericsson LM | revised |  | S5-224476 |
| S5-224207 | Rel-18 pCR 28.827 Adding solutions in clause 7.2 for trigger handling between vCHF and hCHF | Ericsson LM | noted |  |  |
| S5-224208 | Rel-18 pCR 28.827 Adding solution in clause 7.2 using roaming charging profile for triggers | Ericsson LM | revised |  | S5-224477 |
| S5-224209 | Rel-18 pCR 28.827 Adding use case in clause 7.4 where there is a reseller | Ericsson LM | noted |  |  |
| S5-224210 | Rel-18 pCR 28.827 Adding use case in clause 7.5 for roaming where there is a reseller | Ericsson LM | noted |  |  |
| S5-224211 | Rel-18 pCR 28.827 Adding solution in clause 7.6 for reconciliation | Ericsson LM | noted |  |  |
| S5-224212 | Rel-18 pCR 28.827 Adding solutions in clause 7.4 for CHF to CHF communication | Ericsson LM | revised |  | S5-224478 |
| S5-224213 | pCR 28.830 Add clause Background | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224214 | pCR 28.865 Add solultion of service requirement modeling | Huawei | noted |  |  |
| S5-224215 | pCR 28.865 Add solultion of network preparation | Huawei | noted |  |  |
| S5-224216 | pCR 28.865 Update solution of service assurance for video monitoring | Huawei | noted |  |  |
| S5-224217 | pCR 28.865 Update solution of service assurance for PLC control | Huawei | noted |  |  |
| S5-224218 | pCR 28.830 Add key issue: Definition of terms | Nokia, Nokia Shanghai Bell | revised |  | S5-224383 |
| S5-224219 | pCR 28.830 Add framework of FSEV | Huawei, China Mobile | noted |  |  |
| S5-224220 | pCR 28.830 Add interface description | Huawei, China Mobile | noted |  |  |
| S5-224221 | pCR 28.830 Add description of issue E2E SLS degradation | Huawei, China Mobile | noted |  |  |
| S5-224222 | pCR 28.830 Add solution of issue E2E SLS degradation | Huawei, China Mobile | noted |  |  |
| S5-224223 | Reply LS to SA6 on DN energy efficiency data analytics | Huawei Technologies France | revised |  | S5-224342 |
| S5-224224 | pCR TR 28.910 Add autonomous network level for service experience optimization | Huawei | noted |  |  |
| S5-224225 | Discussion of Open-Source-Defined 6G Core Network (CN) | Xidian University | noted |  |  |
| S5-224226 | DP on scenarios of 5G KQI for video uploading, remote controlling and cloud VR | Huawei | noted |  |  |
| S5-224227 | pCR TR 28.863 Issue#1 Difference of KPI, KQI and QoE | Huawei | noted |  |  |
| S5-224228 | pCR TR 28.863 Issue#3 Video uploading description | Huawei | noted |  |  |
| S5-224229 | pCR TR 28.863 Issue#4 Remote controlling description | Huawei | noted |  |  |
| S5-224230 | pCR TR 28.863 Issue#5 scenarios of cloud VR description | Huawei | noted |  |  |
| S5-224231 | pCR TR 28.863 Issue#3 requirements of KQIs for Video Uploading | Huawei | noted |  |  |
| S5-224232 | pCR TR 28.863 Issue#4 requirements of KQIs for remote controling | Huawei | noted |  |  |
| S5-224233 | pCR TR 28.863 Issue#5 requirements of KQIs for cloud VR | Huawei | noted |  |  |
| S5-224234 | pCR TR 28.863 Key Issue#3 Solution of KQIs for Video Uploading | Huawei | noted |  |  |
| S5-224235 | New WID on operational testing support for 3GPP NFs | Lenovo  | noted |  |  |
| S5-224236 | pCR 28.831 Add key issue: Definition of createMOI | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224237 | pCR 28.831 Add key issue: Definition of getMOIAttributes | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224238 | New R18 SID on conflict management | Lenovo Future Communications | noted |  |  |
| S5-224239 | pCR 28864 KI1 KI2 update | China Telecommunications | revised |  | S5-224373 |
| S5-224240 | Discussion paper on relationship between the EE of NWDAF and the performance measurements of NWDAF | China Telecommunications | revised |  | S5-224382 |
| S5-224241 | Adding QMC job | Ericsson Limited | noted |  |  |
| S5-224242 | Discussion paper to Add StateManagementEntity support for 5G | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-224243 | Close down YANG-Push study | Ericsson Hungary Ltd | approved |  |  |
| S5-224244 | Handling of QoE measurement collection at handover in NR | Ericsson Limited | noted |  |  |
| S5-224245 | Reply LS on name of the interface for usage information collection | CATT | revised |  | S5-224463 |
| S5-224246 | ding Signalling Based Activation for NR | Ericsson Limited | noted |  |  |
| S5-224247 | YANG Mapping Corrections | Ericsson Hungary Ltd | approved |  |  |
| S5-224248 | Rel-18 TS 28.531 Update operations of allocateNsi, allocateNssi, deallocateNsi, deallocateNssi  | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224249 | Rel-18 draftCR Add QMC job (stage 3 YANG) | Ericsson Inc. | noted |  |  |
| S5-224250 | pCR 28.831 Add potential requirements for key issue Targeted notification subscription | Nokia, Nokia Shanhai Bell | revised |  | S5-224424 |
| S5-224251 | pCR TR 28.908 Add use case on AI-ML model deployment | CATT | revised |  | S5-224372 |
| S5-224252 | pCR 28.831 Add potential solutions for key issue Targeted notification subscription | Nokia, Nokia Shanghai Bell | revised |  | S5-224425 |
| S5-224253 | pCR 28.864 Add potential solution for KI#1  | Chinatelecom Cloud | revised |  | S5-224374 |
| S5-224254 | pCR 28.864 Add potential solution for KI#2 | Chinatelecom Cloud | revised |  | S5-224375 |
| S5-224255 | pCR 28.864 Add potential solution for KI#5 | Chinatelecom Cloud | revised |  | S5-224377 |
| S5-224256 | pCR 28.831 Add analysis of XPath as potential solution  | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224257 | pCR 28.831 Add analysis of JSONPointer as potential solution | Nokia, Nokia Shanghai Bell | revised |  | S5-224426 |
| S5-224258 | New SID on management aspects of computing network convergence  | China Mobile E-Commerce Co. | noted |  |  |
| S5-224259 | Discussion Paper Federated network modelling for EP\_Transport | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224260 | New SID on management aspects of Digital Twin Network | China Mobile E-Commerce Co. | noted |  |  |
| S5-224261 | pCR TR 28.833 Change TR structure | China Mobile E-Commerce Co. | approved |  |  |
| S5-224262 | New key issue for the performance management of the NWDAF related on service output generation | Chinatelecom Cloud | noted |  |  |
| S5-224263 | pCR TR 28.912 Update issue for intent confliction | Huawei, Deutsche Telekom,Nokia | revised | S5-224052 | S5-224360 |
| S5-224264 | pCR TR 28.833 Add key issue and potential solutions for 5G VN group data management of FS\_5GLAN\_Mgt | China Mobile E-Commerce Co. | approved |  |  |
| S5-224265 | pCR 28.864 Add potential performance metrics related with UE groups for KI#3 | China Mobile E-Commerce Co. | approved |  |  |
| S5-224266 | pCR 28.908 Add AI-ML workflow for 5GS | Intel, NEC | revised |  | S5-224365 |
| S5-224267 | pCR 28.908 Add use case on AI-ML entity validation | Intel, NEC | revised |  | S5-224368 |
| S5-224268 | pCR 28.908 Add use case on AI-ML entity testing | Intel, NEC | merged |  | S5-224369 |
| S5-224269 | pCR TR 28.864 Add potential solution related with number of notifications for data collection exposure capability | China Mobile E-Commerce Co. | noted |  |  |
| S5-224270 | New Rel-18 WID Enhancement of Management Data Analytics phase 2 | Intel, NEC | revised | S5-223486 | S5-224384 |
| S5-224271 | pCR TR 28.864 Add potential solution related with number of notifications for NWDAF Data Collection | China Mobile E-Commerce Co. | noted |  |  |
| S5-224272 | pCR TR 28.864 Add potential solution related with number of subscriptions for data collection exposure capability | China Mobile E-Commerce Co. | noted |  |  |
| S5-224273 | Add asynchronous network slicing provisioning procedures | Ericsson LM, Deutsche Telekom | noted |  |  |
| S5-224274 | pCR TR 28.864 Add potential solution related with number of subscriptions for NWDAF Data Collection | China Mobile E-Commerce Co. | noted |  |  |
| S5-224275 | Rel-18 CR TS 28.541 Add network slice isolation | Nokia, Nokia Shanghai Bell | withdrawn |  |  |
| S5-224276 | Rel-18 CR TS 28.623 Add AvailabilityStatus and LifecycleState to comDefs | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224277 | Rel-18 CR TS 28.541 Add lifecycleState and availabilityStatus attributes to NetworkSlice and NetworkSliceSubnet | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224278 | Rel-18 CR TS 28.531 Update procedures for asynchronous mode of operations for Network Slice and Network Slice Subnet LCM | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224279 | S5-224XX5 Rel-18 CR TS 28.531 Update procedures for modification of Network Slice and Network Slice Subnet MOIs | Nokia, Nokia Shanghai Bell | approved |  |  |
| S5-224280 | Rel-18 pCR TR 28.831 Add a new key issue for Adding capabilities and procedures to advertise supported IOCs, attributes, conditions, and constraints by the MnS Producer | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224281 | Add Job IOCs for asynchronous network slicing provisioning procedures | Ericsson LM, Deutsche Telekom | noted |  |  |
| S5-224282 | Specify network slicing provisioning rules requirements | Ericsson LM, Deutsche Telekom | noted |  |  |
| S5-224283 | pCR 28.834 Add Use Case on Configuration of the cloud-native VNF using generic OAM functions | China Mobile Com. Corporation | revised |  | S5-224430 |
| S5-224284 | Add network slice rules to NRM | Ericsson LM, Deutsche Telekom | noted |  |  |
| S5-224285 | pCR TR 28.834 Add Use Case on Traffic management of the cloud-native VNF using generic OAM functions | China Mobile Com. Corporation | revised |  | S5-224429 |
| S5-224286 | pCR TR 28.824 Divide clause 5.1.2 into issues and gaps | Ericsson LM, Deutsche Telekom | merged |  | S5-224436 |
| S5-224287 | pCR TR 28.824 Potential solution for management capability exposure alternative 1 | Ericsson LM, Deutsche Telekom | noted |  |  |
| S5-224288 | pCR TR 28.824 Rephrase or replace eMnS with exposed MnS | Ericsson LM, Deutsche Telekom | approved |  |  |
| S5-224289 | pCR TR 28.824 Update introduction to procedures 4.1.4.1 | Ericsson LM, Deutsche Telekom | approved |  |  |
| S5-224290 | pCR TR 28.824 Update procedure in clause 4.1.4.5 | Ericsson LM, Deutsche Telekom | noted |  |  |
| S5-224291 | pCR TR 28.824 Update solution description for CAPIF alternative 2 and 3 | Ericsson LM, Deutsche Telekom | noted |  |  |
| S5-224292 | Discussion to Correct inconsistencies in Network Slicing | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224293 | pCR 28.831 Add analysis of JSONPath as potential solution | Nokia, Nokia Shanghai Bell | revised |  | S5-224427 |
| S5-224294 | Rel-18 CR TS 28.541 Add network slice isolation | Nokia, Nokia Shanghai Bell, Huawei | noted |  |  |
| S5-224295 | New WID on methodology for deprecation of IOCs, data types and attributes | Ericsson | noted |  |  |
| S5-224296 | SA5 work item and study items | Ericsson,Deutsche Telekom | revised |  | S5-224380 |
| S5-224297 | Discussion paper on study intent driven management for network slicing | Ericsson LM | noted |  |  |
| S5-224298 | Discussion to Add StateManagementEntity support for 5G | Nokia, Nokia Shanghai Bell | noted |  |  |
| S5-224299 | pCR 28.864 Add KI for managing NWDAF output | Lenovo Future Communications | noted |  |  |
| S5-224300 | Discussion on Enhanced QoS model for RLC and PDCP | Ericsson Inc. | noted |  |  |
| S5-224301 | Rel-18 28.541 Enhanced QoS model for RLC and PDCP (stage 2) | Ericsson Inc. | noted |  |  |
| S5-224302 | pCR TR 28.925 Add key issue on requirements and use cases supporting multiple MnS discovery service producers | China Unicom | noted |  |  |
| S5-224303 | Rel-18 28.541 Add BWP set support to NRM (stage 3, YANG) | Ericsson Inc. | revised |  | S5-224352 |
| S5-224304 | pCR 28.834 Add concepts and background | Microsoft Europe SARL | noted |  |  |
| S5-224305 | pCR 28.834 Add use case on LCM\_query cloud-native VNF package | Microsoft Europe SARL | noted |  |  |
| S5-224306 | Rel-18 28.541 Enhanced QoS model for RLC and PDCP (stage 3, YANG) | Ericsson Inc. | noted |  |  |
| S5-224307 | pCR 28.834 Add use case on LCM\_instantiation using de-facto standards | Microsoft Europe SARL | noted |  |  |
| S5-224308 | Rel-18 28.541 Add BWP set support to NRM (stage 2) | Ericsson Inc. | revised |  | S5-224353 |
| S5-224309 | pCR 28.834 Add use case on LCM\_configuration using de-facto standards | Microsoft Europe SARL | noted |  |  |
| S5-224310 | pCR 28.834 Add use case on LCM\_modification using de-facto standards | Microsoft Europe SARL | noted |  |  |
| S5-224311 | pCR 28.834 Add use case on LCM\_deletion using de-facto standards | Microsoft Europe SARL | noted |  |  |
| S5-224312 | Rel-18 28.541 Add Enhanced QoS support in NRM (stage 2) | Ericsson Inc. | noted |  |  |
| S5-224313 | pCR 28.836 Add solution for use case 5.1.1 | Microsoft Europe SARL | noted |  |  |
| S5-224314 | Rel-18 28.541 Add Enhanced QoS support in NRM (stage 3, YANG) | Ericsson Inc. | noted |  |  |
| S5-224315 | pCR TR 28.908 Clarifications into the overview and terminologies updates  | NEC, Intel | revised |  | S5-224366 |
| S5-224316 | Reply LS ccSA5 on Logical relationship between query parameters | C1-223711 | noted |  |  |
| S5-224317 | Reply LS ccSA5 on NR QoE | C1-224182 | noted |  |  |
| S5-224318 | LS on name of the interface for usage information collection | C1-224296 | replied to |  |  |
| S5-224319 | Reply LS ccSA5 on Logical relationship between query parameters | C3-223457 | noted |  |  |
| S5-224320 | Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism | C3-223669 | postponed |  |  |
| S5-224321 | Answer to liaison IN EEPS(22)061016 | ETSI TC EE | noted |  |  |
| S5-224322 | Liaison Response to 3GPP TSG-SA5 for Network Slice Ordering, Provisioning & Assurance | MEF Forum | postponed |  |  |
| S5-224323 | RE: LS on Inclusive language updates related to BBF TR-196 | BBF | noted |  |  |
| S5-224324 | Resubmitted LS on RAN3 agreements for NR QoE | R3-222890 | postponed |  |  |
| S5-224325 | Reply LS on User Consent Updating | R3-224076 | postponed |  |  |
| S5-224326 | LS on M6 Delay Threshold | R3-224079 | postponed |  |  |
| S5-224327 | Response LS on changes over E1AP due to RACH NSA Measurements | R3-224080 | replied to |  |  |
| S5-224328 | Reply LS on Report Amount for M4, M5, M6 and M7 measurements | R3-224084 | postponed |  |  |
| S5-224329 | Reply LSccSA5 on Issues Network Slice information delivery to a 3rd party | S1-221224 | noted |  |  |
| S5-224330 | LS on O-RAN – UML models and tools to be used by 3GPP SA5 | O-RAN | postponed |  |  |
| S5-224331 | LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541 | O-RAN | postponed |  |  |
| S5-224332 | Reply LS ccSA5 on Logical relationship between query parameters | S4-220796 | noted |  |  |
| S5-224333 | LS on DN energy efficiency data analytics | S6-221347 | replied to |  |  |
| S5-224334 | Reply LS to the clarification of Dynamic EAS instantiation triggering | S6-221486 | noted |  |  |
| S5-224335 | LS/r on study on KQIs for 5G service experience (reply to 3GPP TSG SA5-LS35) | ITU-T SG12 | noted |  |  |
| S5-224336 | LS ccSA5 on potential IPR issues | SP-220712 | noted |  |  |
| S5-224337 | Publication of GS ZSM009-2 and information about related ETSI ISG ZSM work | ETSI ISG ZSM | postponed |  |  |
| S5-224338 | Resubmitted LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation | S6-220848 | replied to |  |  |
| S5-224339 | LS/r on methodology harmonization update (reply to 3GPP TSG SA5-S5-222570) | ITU-T | postponed | - | - |
| S5-224340 | Reply LS on methodology harmonization update (reply to S5-224339/SG2-LS26) | Ericsson | withdrawn | - | - |
| S5-224341 | Reply to: Response LS on changes over E1AP due to RACH NSA Measurements | Nokia | approved | - | - |
| S5-224342 | Reply LS to SA6 on DN energy efficiency data analytics | Huawei Technologies France | approved | S5-224223 | - |
| S5-224343 | LS on 3GPP SA5 work on intent driven management | Huawei | approved | S5-224056 | - |
| S5-224344 | Process for management of draft TS-TRs | WG Chair | approved | S5-224014 | - |
| S5-224345 | Collection of Rel-18 3GPP SA5 OAM WoP | WG Vice Chair (Huawei) | endorsed | S5-224012 | - |
| S5-224346 | SA5 Working Procedures | Nokia Shanghai Bell | approved | S5-224028 | - |
| S5-224347 | DP on new specification for TS 28.622 in the context of SBMA with new structure proposal | Huawei | endorsed | S5-224048 | - |
| S5-224348 | TS28.541 Rel-18 Enhance 5G Core managed NF Profile NRM fragment | Nokia, Nokia Shanghai Bell | approved | S5-224075 | - |
| S5-224349 | TS28.541 Rel-18 NRM enhancements for UPFFunction | Nokia, Nokia Shanghai Bell | approved | S5-224076 | - |
| S5-224350 | Rel-18 Input to draftCR 28.622 Add Scheduler IOC (stage 2) | Nokia, Nokia Shanghai Bell | approved | S5-224169 | - |
| S5-224352 | Rel-18 28.541 Add BWP set support to NRM (stage 3, YANG) | Ericsson Inc. | approved | S5-224303 | - |
| S5-224353 | Rel-18 28.541 Add BWP set support to NRM (stage 2) | Ericsson Inc. | approved | S5-224308 | - |
| S5-224354 | Rel-18 InputTodraftCR 28.538 EASFunction IOC and EESFunction IOC | AsiaInfo Technologies Inc | approved | S5-224017 | - |
| S5-224356 | R18 draftCR TS 28.552 Add remote interference related performance measurement | China Telecom Corporation Ltd., Huawei | approved | S5-224034 | - |
| S5-224358 | pCR TR 28.912 Add issue for intent Report | Huawei, Deutsche Telekom | approved | S5-224051 | - |
| S5-224359 | pCR 28.912 Intent-driven Closed Loop Composition | Nokia Italy | approved | S5-224178 | - |
| S5-224360 | pCR TR 28.912 Update issue for intent confliction | Huawei, Deutsche Telekom,Nokia | approved | S5-224263 | - |
| S5-224361 | pCR TR 28.912 add potential solution for 5GC intent expectation | Huawei | approved | S5-224112 | - |
| S5-224362 | pCR TR 28.912 Add conclusion and recommendation for existing issues | Huawei, Deutsche Telekom | approved | S5-224053 | - |
| S5-224363 | pCR TR 28.912 Add issue for mapping intent operations between 3GPP and TM Forum | Huawei, Deutsche Telekom | approved | S5-224054 | - |
| S5-224364 | pCR 28.908 Requirements on AIML context | Nokia Italy | approved | S5-224020 | - |
| S5-224365 | pCR 28.908 Add AI-ML workflow for 5GS | Intel, NEC | approved | S5-224266 | - |
| S5-224366 | pCR TR 28.908 Clarifications into the overview and terminologies updates  | NEC, Intel | approved | S5-224315 | - |
| S5-224367 | pCR 28.908 Requirements on AIML Inference History | Nokia Italy | approved | S5-224021 | - |
| S5-224368 | pCR 28.908 Add use case on AI-ML entity validation | Intel, NEC | approved | S5-224267 | - |
| S5-224369 | pCR 28.908 Requirements on AIML Testing | Nokia Italy | approved | S5-224023 | - |
| S5-224370 | pCR 28.908 Requirements on Pre-processed event data for ML training | Nokia Italy | approved | S5-224025 | - |
| S5-224371 | pCR TR 28.908 Add use case on AI-ML model update | Huawei | approved | S5-224102 | - |
| S5-224372 | pCR TR 28.908 Add use case on AI-ML model deployment | CATT | approved | S5-224251 | - |
| S5-224373 | pCR 28864 KI1 KI2 update | China Telecommunications | approved | S5-224239 | - |
| S5-224374 | pCR 28.864 Add potential solution for KI#1  | Chinatelecom Cloud | approved | S5-224253 | - |
| S5-224375 | pCR 28.864 Add potential solution for KI#2 | Chinatelecom Cloud | approved | S5-224254 | - |
| S5-224377 | pCR 28.864 Add potential solution for KI#5 | Chinatelecom Cloud | approved | S5-224255 | - |
| S5-224379 | pCR 28.838 overview | Intel Korea, Ltd. | approved | S5-224032 | - |
| S5-224380 | SA5 work item and study items | Ericsson | noted | S5-224296 | - |
| S5-224381 | DP on number of OAM Rel-18 work/study items | WG chair, Vice chair (Huawei) | noted | S5-224019 | - |
| S5-224382 | Discussion paper on relationship between the EE of NWDAF and the performance measurements of NWDAF | China Telecommunications | endorsed | S5-224240 | - |
| S5-224383 | pCR 28.830 Add key issue: Definition of terms | Nokia, Nokia Shanghai Bell | approved | S5-224218 | - |
| S5-224384 | New Rel-18 WID Enhancement of Management Data Analytics phase 2 | Intel, NEC | agreed | S5-224270 | - |
| S5-224385 | DraftCR for eECM – TS 28.538 | Samsung | approved | - | - |
| S5-224386 | pCR 28.908 Requirements on AIMLEntity Capability Discovery | Nokia Italy | approved | S5-224024 | - |
| S5-224387 | Reply LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation | Intel Korea, Ltd. | approved | S5-224064 | - |
| S5-224399 | Latest draft TS 28.317 | China Mobile | withdrawn | - | - |
| S5-224400 | Latest draft TR 28.909 | China Mobile | withdrawn | - | - |
| S5-224401 | Latest draft TR 28.910 | China Mobile | withdrawn | - | - |
| S5-224402 | Latest draft TR 28.912 | Huawei | approved | - | - |
| S5-224403 | Latest draft TR 28.836 | Ericsson | withdrawn | - | - |
| S5-224404 | Latest draft TR 28.908 | Intel | approved | - | - |
| S5-224405 | Latest draft TR 28.864 | China Telecom | approved | - | - |
| S5-224406 | Latest draft TR 28.830 | China Mobile | approved | - | - |
| S5-224407 | Latest draft TR 28.838 | Intel | approved | - | - |
| S5-224408 | Latest draft TR 28.925 | Huawei | approved | - | - |
| S5-224409 | Latest draft TR 28.831 | Nokia | approved | - | - |
| S5-224410 | Latest draft TR 28.832 | China Unicom | withdrawn | - | - |
| S5-224411 | Latest draft TR 28.833 | China Mobile | approved | - | - |
| S5-224412 | Latest draft TR 28.834 | China Mobile | approved | - | - |
| S5-224413 | Latest draft TR 28.835 | China Unicom | approved | - | - |
| S5-224414 | Latest draft TR 28.837 | Nokia | approved | - | - |
| S5-224415 | Latest draft TR 28.818 | Ericsson | withdrawn | - | - |
| S5-224416 | Latest draft TR 28.841 | China Unicom | approved | - | - |
| S5-224417 | Latest draft TR 28.907 | Huawei | approved | - | - |
| S5-224418 | Latest draft TR 28.913 | Huawei | approved | - | - |
| S5-224419 | Latest draft TR 28.829 | Samsung | approved | - | - |
| S5-224420 | Latest draft TR 28.863 | Huawei | withdrawn | - | - |
| S5-224421 | Latest draft TR 28.865 | Huawei | approved | - | - |
| S5-224422 | Latest draft TR 28.824 | Alibaba | approved | - | - |
| S5-224423 | Latest draft TR 28.903 | Huawei | approved | - | - |
| S5-224424 | pCR 28.831 Add potential requirements for key issue Targeted notification subscription | Nokia, Nokia Shanhai Bell | approved | S5-224250 | - |
| S5-224425 | pCR 28.831 Add potential solutions for key issue Targeted notification subscription | Nokia, Nokia Shanghai Bell | approved | S5-224252 | - |
| S5-224426 | pCR 28.831 Add analysis of JSONPointer as potential solution | Nokia, Nokia Shanghai Bell | approved | S5-224257 | - |
| S5-224427 | pCR 28.831 Add analysis of JSONPath as potential solution | Nokia, Nokia Shanghai Bell | approved | S5-224293 | - |
| S5-224428 | pCR 28.834 Add use case for VNFC failover | Huawei | approved | S5-224105 | - |
| S5-224429 | pCR TR 28.834 Add Use Case on Traffic management of the cloud-native VNF using generic OAM functions | China Mobile Com. Corporation | approved | S5-224285 | - |
| S5-224430 | pCR 28.834 Add Use Case on Configuration of the cloud-native VNF using generic OAM functions | China Mobile Com. Corporation | approved | S5-224283 | - |
| S5-224431 | pCR 28.834 Add use case for VNF scaling | Huawei | approved | S5-224110 | - |
| S5-224432 | pCR TR 28.835 Add potential solution for management requirement between MOP-NM and MOP-SR-DM | China Unicom | approved | S5-224163 | - |
| S5-224433 | pCR 28.841 Add concepts and background | China Unicom | approved | S5-224084 | - |
| S5-224434 | pCR TR 28.829 Business use case - MNO exposes Network Performance Monitoring | Vodafone GmbH | approved | S5-224026 | - |
| S5-224435 | pCR TR 28.829 Business use case - MNO exposes Network Service Alarm | Vodafone GmbH | approved | S5-224027 | - |
| S5-224436 | pCR 28.824 Updating use case for Network slice management capability exposure | Samsung R&D Institute India | approved | S5-224043 | - |
| S5-224437 | pCR 28.824 Requirements related to authorized external consumers | Huawei | approved | S5-224119 | - |
| S5-224438 | pCR 28.903 adding key issue for collocated management with MEC | Huawei | approved | S5-224122 | - |
| S5-224439 | pCR 28.903 adding key issue for application lifecycle management | Huawei | approved | S5-224124 | - |
| S5-224440 | pCR 28.903 adding key issue for resource reservation | Huawei | approved | S5-224123 | - |
| S5-224441 | pCR 28.903 adding background information for GSMA OPG | Huawei | approved | S5-224126 | - |
| S5-224442 | pCR 28.824 evaluation of solution 7.9 | Alibaba Group | approved | S5-224086 | - |
| S5-224443 | pCR 28.824 Update of solution 7.9 | Alibaba Group | approved | S5-224085 | - |
| S5-224444 | CH agenda and time plan | WG vice Chair (Matrixx) | noted | S5-224008 | - |
| S5-224459 | Draft TR 28.826 | Ericsson | approved | - | - |
| S5-224460 | Draft TR 28.827 | Ericsson | approved | - | - |
| S5-224461 | Draft TR 28.828 | China Mobile | approved | - | - |
| S5-224462 | Draft CR Correction on the name of interface for usage information collection | CATT | approved | - | - |
| S5-224463 | Reply to: LS on name of the interface for usage information collection | CATT | approved | S5-224245 | - |
| S5-224464 | Rel-18 pCR 28.826 Add the QoS solution for CHF Rating | Huawei | approved | S5-224141 | - |
| S5-224465 | Rel-18 pCR 28.826 Add the General for NB mechanism enhancement | Huawei | approved | S5-224142 | - |
| S5-224466 | Rel-18 pCR 28.826 Add the Additional Information for CHF Rating | Huawei | approved | S5-224144 | - |
| S5-224467 | Rel-18 pCR 28.826 Adding issue and solution to identifying non-blocking mode | Ericsson LM | noted | S5-224192 | - |
| S5-224468 | Rel-18 pCR 28.826 Adding solution for cancel failed event | Ericsson LM | approved | S5-224197 | - |
| S5-224469 | Rel-18 pCR 28.827 Clarification on the Roaming Charging Profile for HR | Huawei | approved | S5-224146 | - |
| S5-224470 | Rel-18 pCR 28.827 Add the solution for the charging session granularity | Huawei | approved | S5-224150 | - |
| S5-224471 | Rel-18 pCR 28.827 Add the solution for the charging information granularity | Huawei | approved | S5-224151 | - |
| S5-224472 | Rel-18 pCR 28.827 Add the key issues for the FBC negotiation | Huawei | approved | S5-224153 | - |
| S5-224473 | Rel-18 pCR 28.827 Add the key issue for QoS flow level of QBC triggers setting | Huawei | approved | S5-224154 | - |
| S5-224474 | Rel-18 pCR 28.827 Correcting message flows in clause 7.2.4 | Ericsson LM | approved | S5-224198 | - |
| S5-224475 | Rel-18 pCR 28.827 Adding solutions in clause 7.1 for VPLMN wholesale charging of HPLMN | Ericsson LM | approved | S5-224205 | - |
| S5-224476 | Rel-18 pCR 28.827 Adding solutions in  clause 7.1 for roaming charging profile | Ericsson LM | approved | S5-224206 | - |
| S5-224477 | Rel-18 pCR 28.827 Adding solution in clause 7.2 using roaming charging profile for triggers | Ericsson LM | approved | S5-224208 | - |
| S5-224478 | Rel-18 pCR 28.827 Adding solutions in clause 7.4 for CHF to CHF communication | Ericsson LM | approved | S5-224212 | - |
| S5-224479 | New SID on Time Sensitive Networking charging | Huawei | agreed | S5-224157 | - |
| S5-224480 | Rel-18 pCR 28.828 The New Topic about access to PLMN services via SNPN | Huawei | approved | S5-224156 | - |
| S5-224481 | Rel-18 pCR 28.826 Correcting clause 5.2.5 | Ericsson LM | approved | S5-224195 | - |

### A2: Tdoc decision timing

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| Document | Date/time UTC | Decision |
| S5-224000 | 04/07/2022 08:24:05 | approved |
| S5-224001 | 04/07/2022 08:24:08 | approved |
| S5-224002 | 04/07/2022 08:24:11 | noted |
| S5-224004 | 04/07/2022 08:29:53 | noted |
| S5-224005 | 04/07/2022 08:29:57 | noted |
| S5-224006 | 04/07/2022 08:30:02 | noted |
| S5-224007 | 04/07/2022 08:30:14 | noted |
| S5-224008 | 05/07/2022 09:42:13 | revised |
| S5-224009 | 05/07/2022 09:12:49 | noted |
| S5-224010 | 04/07/2022 08:24:17 | approved |
| S5-224011 | 04/07/2022 08:30:17 | noted |
| S5-224012 | 04/07/2022 08:30:34 | revised |
| S5-224013 | 04/07/2022 08:30:43 | withdrawn |
| S5-224014 | 04/07/2022 08:26:09 | revised |
| S5-224015 | 05/07/2022 10:32:54 | noted |
| S5-224016 | 04/07/2022 08:43:19 | noted |
| S5-224017 | 04/07/2022 08:59:23 | revised |
| S5-224018 | 04/07/2022 08:59:43 | noted |
| S5-224019 | 04/07/2022 08:31:01 | revised |
| S5-224020 | 04/07/2022 09:43:39 | revised |
| S5-224021 | 04/07/2022 12:55:12 | revised |
| S5-224022 | 04/07/2022 12:55:18 | noted |
| S5-224023 | 04/07/2022 12:55:46 | revised |
| S5-224024 | 04/07/2022 12:57:46 | revised |
| S5-224025 | 04/07/2022 12:58:06 | revised |
| S5-224026 | 04/07/2022 13:48:46 | revised |
| S5-224027 | 04/07/2022 13:48:57 | revised |
| S5-224028 | 04/07/2022 08:26:32 | revised |
| S5-224029 | 04/07/2022 13:07:00 | approved |
| S5-224030 | 04/07/2022 13:07:51 | approved |
| S5-224031 | 04/07/2022 13:08:00 | approved |
| S5-224032 | 04/07/2022 13:08:11 | revised |
| S5-224034 | 04/07/2022 09:10:41 | revised |
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| S5-224041 | 04/07/2022 09:11:59 | noted |
| S5-224042 | 04/07/2022 13:50:14 | noted |
| S5-224043 | 04/07/2022 13:50:42 | revised |
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| S5-224067 | 04/07/2022 13:47:44 | approved |
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| S5-224320 | 05/07/2022 09:14:22 | postponed |
| S5-224321 | 04/07/2022 08:38:36 | noted |
| S5-224322 | 04/07/2022 08:38:39 | postponed |
| S5-224323 | 04/07/2022 08:28:00 | noted |
| S5-224324 | 04/07/2022 08:38:48 | postponed |
| S5-224325 | 04/07/2022 08:38:53 | postponed |
| S5-224326 | 04/07/2022 08:38:59 | postponed |
| S5-224327 | 04/07/2022 08:39:45 | replied to |
| S5-224328 | 04/07/2022 08:40:33 | postponed |
| S5-224329 | 04/07/2022 08:28:04 | noted |
| S5-224330 | 04/07/2022 08:40:37 | postponed |
| S5-224331 | 04/07/2022 08:40:43 | postponed |
| S5-224332 | 04/07/2022 08:27:55 | noted |
| S5-224333 | 04/07/2022 08:41:05 | replied to |
| S5-224334 | 04/07/2022 08:29:27 | noted |
| S5-224335 | 04/07/2022 08:42:09 | noted |
| S5-224336 | 04/07/2022 08:29:30 | noted |
| S5-224337 | 04/07/2022 08:29:35 | postponed |
| S5-224338 | 04/07/2022 08:37:26 | replied to |
| S5-224339 | 04/07/2022 08:42:16 | postponed |
| S5-224340 | 04/07/2022 08:43:06 | withdrawn |
| S5-224341 | 04/07/2022 08:40:16 | reserved |
| S5-224341 | 06/07/2022 08:56:20 | approved |
| S5-224342 | 04/07/2022 08:41:10 | approved |
| S5-224343 | 04/07/2022 08:31:38 | approved |
| S5-224344 | 04/07/2022 08:26:14 | approved |
| S5-224345 | 04/07/2022 08:30:36 | reserved |
| S5-224345 | 11/07/2022 13:52:25 | email approval |
| S5-224346 | 04/07/2022 08:26:33 | approved |
| S5-224347 | 04/07/2022 08:44:53 | reserved |
| S5-224348 | 04/07/2022 08:45:12 | approved |
| S5-224349 | 04/07/2022 08:45:23 | approved |
| S5-224350 | 04/07/2022 08:57:44 | approved |
| S5-224352 | 04/07/2022 08:58:31 | approved |
| S5-224353 | 04/07/2022 08:58:46 | approved |
| S5-224354 | 04/07/2022 08:59:24 | approved |
| S5-224356 | 04/07/2022 09:10:43 | approved |
| S5-224358 | 04/07/2022 09:12:45 | approved |
| S5-224359 | 04/07/2022 09:41:32 | approved |
| S5-224360 | 04/07/2022 09:41:44 | approved |
| S5-224361 | 04/07/2022 09:42:08 | approved |
| S5-224362 | 04/07/2022 09:42:22 | approved |
| S5-224363 | 04/07/2022 09:42:42 | approved |
| S5-224364 | 04/07/2022 09:43:41 | approved |
| S5-224365 | 04/07/2022 12:03:17 | approved |
| S5-224366 | 04/07/2022 12:55:00 | approved |
| S5-224367 | 04/07/2022 12:55:14 | approved |
| S5-224368 | 04/07/2022 12:55:30 | approved |
| S5-224369 | 04/07/2022 12:55:47 | approved |
| S5-224370 | 04/07/2022 12:58:15 | approved |
| S5-224371 | 04/07/2022 12:58:44 | approved |
| S5-224372 | 04/07/2022 12:59:02 | approved |
| S5-224373 | 04/07/2022 12:59:20 | approved |
| S5-224374 | 04/07/2022 12:59:31 | approved |
| S5-224375 | 04/07/2022 12:59:42 | approved |
| S5-224377 | 04/07/2022 13:02:55 | approved |
| S5-224379 | 04/07/2022 13:08:12 | approved |
| S5-224380 | 04/07/2022 08:27:16 | noted |
| S5-224381 | 04/07/2022 08:31:02 | noted |
| S5-224382 | 04/07/2022 13:02:37 | reserved |
| S5-224383 | 04/07/2022 13:03:57 | approved |
| S5-224384 | 04/07/2022 08:43:56 | agreed |
| S5-224385 | 04/07/2022 13:55:19 | reserved |
| S5-224385 | 06/07/2022 08:56:41 | approved |
| S5-224386 | 04/07/2022 12:57:50 | approved |
| S5-224387 | 04/07/2022 10:38:17 | reserved |
| S5-224387 | 06/07/2022 08:55:54 | approved |
| S5-224399 | 04/07/2022 13:57:28 | reserved |
| S5-224399 | 06/07/2022 09:04:44 | withdrawn |
| S5-224400 | 04/07/2022 13:57:34 | reserved |
| S5-224400 | 06/07/2022 09:05:00 | withdrawn |
| S5-224401 | 04/07/2022 13:57:37 | reserved |
| S5-224401 | 06/07/2022 09:05:01 | withdrawn |
| S5-224402 | 04/07/2022 14:00:57 | reserved |
| S5-224402 | 06/07/2022 08:56:58 | approved |
| S5-224403 | 04/07/2022 14:01:02 | reserved |
| S5-224403 | 06/07/2022 09:05:06 | withdrawn |
| S5-224404 | 04/07/2022 14:01:03 | reserved |
| S5-224404 | 06/07/2022 08:57:00 | approved |
| S5-224405 | 04/07/2022 14:06:00 | reserved |
| S5-224405 | 06/07/2022 08:57:01 | approved |
| S5-224406 | 04/07/2022 14:06:05 | reserved |
| S5-224406 | 06/07/2022 09:06:06 | approved |
| S5-224407 | 04/07/2022 14:06:06 | reserved |
| S5-224407 | 06/07/2022 08:57:12 | approved |
| S5-224408 | 04/07/2022 14:08:52 | reserved |
| S5-224408 | 06/07/2022 08:57:12 | approved |
| S5-224409 | 04/07/2022 14:08:57 | reserved |
| S5-224409 | 06/07/2022 08:57:14 | approved |
| S5-224410 | 04/07/2022 14:08:58 | reserved |
| S5-224410 | 06/07/2022 08:57:15 | approved |
| S5-224410 | 06/07/2022 09:05:11 | withdrawn |
| S5-224411 | 05/07/2022 08:27:54 | reserved |
| S5-224411 | 06/07/2022 08:57:35 | approved |
| S5-224412 | 05/07/2022 08:28:02 | reserved |
| S5-224412 | 06/07/2022 08:57:36 | approved |
| S5-224413 | 05/07/2022 08:28:06 | reserved |
| S5-224413 | 06/07/2022 08:57:47 | approved |
| S5-224414 | 05/07/2022 08:34:50 | reserved |
| S5-224414 | 06/07/2022 08:57:48 | approved |
| S5-224415 | 05/07/2022 08:34:56 | reserved |
| S5-224415 | 06/07/2022 09:05:16 | withdrawn |
| S5-224416 | 05/07/2022 08:34:58 | reserved |
| S5-224416 | 06/07/2022 08:57:50 | approved |
| S5-224417 | 05/07/2022 08:57:57 | reserved |
| S5-224417 | 06/07/2022 08:57:58 | approved |
| S5-224418 | 05/07/2022 08:58:06 | reserved |
| S5-224418 | 06/07/2022 08:57:59 | approved |
| S5-224419 | 05/07/2022 08:58:08 | reserved |
| S5-224419 | 06/07/2022 08:58:00 | approved |
| S5-224420 | 05/07/2022 09:04:00 | reserved |
| S5-224420 | 06/07/2022 09:05:21 | withdrawn |
| S5-224420 | 06/07/2022 09:05:45 | approved |
| S5-224420 | 06/07/2022 09:05:46 | withdrawn |
| S5-224421 | 05/07/2022 09:04:07 | reserved |
| S5-224421 | 06/07/2022 08:58:04 | approved |
| S5-224422 | 05/07/2022 09:04:09 | reserved |
| S5-224422 | 06/07/2022 08:58:05 | approved |
| S5-224423 | 05/07/2022 09:04:11 | reserved |
| S5-224423 | 06/07/2022 08:58:10 | approved |
| S5-224424 | 04/07/2022 13:11:44 | approved |
| S5-224425 | 04/07/2022 13:12:08 | approved |
| S5-224426 | 04/07/2022 13:12:33 | approved |
| S5-224427 | 04/07/2022 13:12:42 | approved |
| S5-224428 | 04/07/2022 13:28:58 | approved |
| S5-224429 | 04/07/2022 13:29:16 | approved |
| S5-224430 | 04/07/2022 13:30:13 | approved |
| S5-224431 | 04/07/2022 13:45:11 | approved |
| S5-224432 | 04/07/2022 13:45:56 | approved |
| S5-224433 | 04/07/2022 13:47:57 | approved |
| S5-224434 | 04/07/2022 13:48:48 | approved |
| S5-224435 | 04/07/2022 13:48:59 | approved |
| S5-224436 | 04/07/2022 13:50:43 | approved |
| S5-224437 | 04/07/2022 13:52:23 | approved |
| S5-224438 | 04/07/2022 13:52:57 | approved |
| S5-224439 | 04/07/2022 13:53:07 | approved |
| S5-224440 | 04/07/2022 13:53:20 | approved |
| S5-224441 | 04/07/2022 13:53:35 | approved |
| S5-224442 | 04/07/2022 13:51:56 | approved |
| S5-224443 | 04/07/2022 13:51:44 | approved |
| S5-224444 | 04/07/2022 08:36:00 | reserved |
| S5-224444 | 05/07/2022 10:06:30 | noted |
| S5-224459 | 05/07/2022 09:20:29 | reserved |
| S5-224459 | 06/07/2022 08:58:20 | approved |
| S5-224460 | 05/07/2022 10:30:41 | reserved |
| S5-224460 | 06/07/2022 08:58:28 | approved |
| S5-224461 | 05/07/2022 10:32:20 | reserved |
| S5-224461 | 06/07/2022 08:58:32 | approved |
| S5-224462 | 05/07/2022 09:15:50 | approved |
| S5-224463 | 05/07/2022 09:13:23 | approved |
| S5-224464 | 05/07/2022 09:17:19 | approved |
| S5-224465 | 05/07/2022 09:17:32 | approved |
| S5-224466 | 05/07/2022 09:17:49 | approved |
| S5-224467 | 05/07/2022 09:18:38 | noted |
| S5-224468 | 05/07/2022 09:19:19 | approved |
| S5-224469 | 05/07/2022 10:07:52 | approved |
| S5-224470 | 05/07/2022 10:08:13 | approved |
| S5-224471 | 05/07/2022 10:08:22 | approved |
| S5-224472 | 05/07/2022 10:08:38 | approved |
| S5-224473 | 05/07/2022 10:08:48 | approved |
| S5-224474 | 05/07/2022 10:09:24 | approved |
| S5-224475 | 05/07/2022 10:29:03 | approved |
| S5-224476 | 05/07/2022 10:29:11 | approved |
| S5-224477 | 05/07/2022 10:29:29 | approved |
| S5-224478 | 05/07/2022 10:29:49 | approved |
| S5-224479 | 05/07/2022 10:31:23 | agreed |
| S5-224480 | 05/07/2022 10:31:39 | approved |
| S5-224481 | 05/07/2022 09:18:58 | approved |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S5-224037 | Rel-18 CR 28.538 Revise EAS VNF instantiation procedure | Intel Korea, Ltd. | 28.538 | - | - | Rel-18 | C | eECM | withdrawn |
| S5-224038 | Rel-18 CR 28.538 Revise EAS VNF termination procedure | Intel Korea, Ltd. | 28.538 | - | - | Rel-18 | C | eECM | withdrawn |
| S5-224039 | Rel-18 CR 28.538 Revise EAS VNF update procedure | Intel Korea, Ltd. | 28.538 | - | - | Rel-18 | D | eECM | withdrawn |
| S5-224033 | Rel-18 CR 28.552 Add the per SSB RSRQ and SINR measurements | Intel Korea, Ltd. | 28.552 | - | - | Rel-18 | B | PM\_KPI\_5G\_Ph3 | withdrawn |
| S5-224035 | Rel-18 CR 28.622 Add stage 2 solution for LcmJob IOC | Intel Korea, Ltd. | 28.622 | - | - | Rel-18 | B | eECM | withdrawn |
| S5-224036 | Rel-18 CR 28.623 Add stage 3 solution for LcmJob IOC | Intel Korea, Ltd. | 28.623 | - | - | Rel-18 | B | eECM | withdrawn |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S5-224316 |  | Reply LS ccSA5 on Logical relationship between query parameters | C1-223711 | noted | (none) |
| S5-224317 |  | Reply LS ccSA5 on NR QoE | C1-224182 | noted | (none) |
| S5-224318 |  | LS on name of the interface for usage information collection | C1-224296 | replied to | S5-224463 |
| S5-224319 |  | Reply LS ccSA5 on Logical relationship between query parameters | C3-223457 | noted | (none) |
| S5-224320 |  | Reply LS on Enhancement on Charging Identifier Uniqueness Mechanism | C3-223669 | postponed | (none) |
| S5-224321 |  | Answer to liaison IN EEPS(22)061016 | ETSI TC EE | noted | (none) |
| S5-224322 |  | Liaison Response to 3GPP TSG-SA5 for Network Slice Ordering, Provisioning & Assurance | MEF Forum | postponed | (none) |
| S5-224323 |  | RE: LS on Inclusive language updates related to BBF TR-196 | BBF | noted | (none) |
| S5-224324 |  | Resubmitted LS on RAN3 agreements for NR QoE | R3-222890 | postponed | (none) |
| S5-224325 |  | Reply LS on User Consent Updating | R3-224076 | postponed | (none) |
| S5-224326 |  | LS on M6 Delay Threshold | R3-224079 | postponed | (none) |
| S5-224327 |  | Response LS on changes over E1AP due to RACH NSA Measurements | R3-224080 | replied to | S5-224341 |
| S5-224328 |  | Reply LS on Report Amount for M4, M5, M6 and M7 measurements | R3-224084 | postponed | (none) |
| S5-224329 |  | Reply LSccSA5 on Issues Network Slice information delivery to a 3rd party | S1-221224 | noted | (none) |
| S5-224330 |  | LS on O-RAN – UML models and tools to be used by 3GPP SA5 | O-RAN | postponed | (none) |
| S5-224331 |  | LS on O-RAN – Transport Network Slicing Enhancement IM/DM TS28.541 | O-RAN | postponed | (none) |
| S5-224332 |  | Reply LS ccSA5 on Logical relationship between query parameters | S4-220796 | noted | (none) |
| S5-224333 |  | LS on DN energy efficiency data analytics | S6-221347 | replied to | S5-224342 |
| S5-224334 |  | Reply LS to the clarification of Dynamic EAS instantiation triggering | S6-221486 | noted | (none) |
| S5-224335 |  | LS/r on study on KQIs for 5G service experience (reply to 3GPP TSG SA5-LS35) | ITU-T SG12 | noted | (none) |
| S5-224336 |  | LS ccSA5 on potential IPR issues | SP-220712 | noted | (none) |
| S5-224337 |  | Publication of GS ZSM009-2 and information about related ETSI ISG ZSM work | ETSI ISG ZSM | postponed | (none) |
| S5-224338 |  | Resubmitted LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation | S6-220848 | replied to | S5-224387 |
| S5-224339 |  | LS/r on methodology harmonization update (reply to 3GPP TSG SA5-S5-222570) | ITU-T | postponed | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S5-224100 | LS to NGMN GFN and GSMA NG on Customer acceptation of QoS degradation to save energy | NGMN GFN, GSMA NG | 3GPP SA |  |
| S5-224341 | Reply to: Response LS on changes over E1AP due to RACH NSA Measurements | RAN3 | - | S5-224327 |
| S5-224342 | Reply LS to SA6 on DN energy efficiency data analytics | SA6 | SA1, SA | - |
| S5-224343 | LS on 3GPP SA5 work on intent driven management | TM Forum, ETSI ZSM, ETSI NFV IFA, ITU-T SG2 | - | - |
| S5-224387 | Reply LS on FS\_eEDGEAPP, Solution for Dynamic EAS instantiation | SA6 | - | S5-224338 |
| S5-224463 | Reply to: LS on name of the interface for usage information collection | CT1 | SA2 | S5-224318 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S5-224479 | New SID on Time Sensitive Networking charging | Huawei | SID new |
| S5-224384 | New Rel-18 WID Enhancement of Management Data Analytics phase 2 | Intel, NEC | WID new |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S5-224029 | 28.838 | 0.0.0 | Rel-18 TR 28.838 v0.0.0 |
| S5-224065 | 28.841 | 0.0.0 | TR 28.841-0.0.0 initial skeleton |
| S5-224399 | 28.317 | 0.2.0 | Latest draft TS 28.317 |
| S5-224400 | 28.909 | 0.2.0 | Latest draft TR 28.909 |
| S5-224401 | 28.910 | 0.3.0 | Latest draft TR 28.910 |
| S5-224402 | 28.912 | 0.3.0 | Latest draft TR 28.912 |
| S5-224403 | 28.836 | 0.3.0 | Latest draft TR 28.836 |
| S5-224404 | 28.908 | 0.3.0 | Latest draft TR 28.908 |
| S5-224405 | 28.864 | 0.3.0 | Latest draft TR 28.864 |
| S5-224406 | 28.830 | 0.2.0 | Latest draft TR 28.830 |
| S5-224407 | 28.838 | 0.1.0 | Latest draft TR 28.838 |
| S5-224408 | 28.925 | 0.7.0 | Latest draft TR 28.925 |
| S5-224409 | 28.831 | 0.3.0 | Latest draft TR 28.831 |
| S5-224410 | 28.832 | 0.3.0 | Latest draft TR 28.832 |
| S5-224411 | 28.833 | 0.3.0 | Latest draft TR 28.833 |
| S5-224412 | 28.834 | 0.2.0 | Latest draft TR 28.834 |
| S5-224413 | 28.835 | 0.3.0 | Latest draft TR 28.835 |
| S5-224414 | 28.837 | 0.3.0 | Latest draft TR 28.837 |
| S5-224415 | 28.818 | 0.2.0 | Latest draft TR 28.818 |
| S5-224416 | 28.841 | 0.1.0 | Latest draft TR 28.841 |
| S5-224417 | 28.907 | 0.3.0 | Latest draft TR 28.907 |
| S5-224418 | 28.913 | 0.2.0 | Latest draft TR 28.913 |
| S5-224419 | 28.829 | 0.3.0 | Latest draft TR 28.829 |
| S5-224420 | 28.863 | .. | Latest draft TR 28.863 |
| S5-224421 | 28.865 | 0.3.0 | Latest draft TR 28.865 |
| S5-224422 | 28.824 | 0.8.0 | Latest draft TR 28.824 |
| S5-224423 | 28.903 | 0.3.0 | Latest draft TR 28.903 |
| S5-224459 | 28.826 | 0.6.0 | Draft TR 28.826 |
| S5-224460 | 28.827 | 1.3.0 | Draft TR 28.827 |
| S5-224461 | 28.828 | 0.3.0 | Draft TR 28.828 |

## Annex F: List of participants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented |
| Mr. | Achter | Johannes | Deutsche Telekom AG | Telekom Deutschland GmbH |
| Dr. | Al-kanani | Hassan | NEC Europe Ltd | NEC Telecom MODUS Ltd. |
| Mrs. | Allwang | Christiane | Nokia Germany | Nokia France |
| Mr. | Andrianov | Anatoly | Nokia Germany | Nokia |
| Mr. | Audebert | Vincent | EDF Recherche et Développement | EDF Recherche et Développement |
| Mrs. | Ayani | Zhulia | Ericsson LM | Ericsson India Private Limited |
| Mr. | Berisot | Thierry | NOVAMINT | NOVAMINT |
| Mr. | Brown | Michael | Microsoft Europe SARL | Microsoft Europe SARL |
| Ms. | Camacho | Cristina | VODAFONE Group Plc | Vodafone Italia SpA |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI |
| Miss | cao | guangjing | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Cao | Longyu | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Telecommunication India |
| Mr. | Cao | Xi | China Mobile Com. Corporation | China Mobile International Ltd |
| Dr. | Cetinkaya | Egemen | Verizon UK Ltd | Verizon Denmark |
| Mr. | Champel | Mary-Luc | Beijing Xiaomi Mobile Software | Beijing Xiaomi Electronics |
| Dr. | Chen | Ai | China Mobile Com. Corporation | China Mobile (Hangzhou) Inf. |
| Ms. | Chen | Lijuan | ZTE Corporation | ShenZhen Zhongxing Shitong |
| Miss | CHEN | SHAN | Huawei Tech.(UK) Co.. Ltd | HiSilicon Technologies Co. Ltd |
| Miss | Chen | Xiumin | China Telecommunications | China Telecom Corporation Ltd. |
| Mr. | Chen | Yu | China Telecommunications | China Telecommunications |
| Mr. | Chou | Joey | Intel Corporation (UK) Ltd | Intel Korea, Ltd. |
| Dr. | CORNILY | Jean-Michel | Huawei Technologies France | Huawei Technologies France |
| Dr. | Dong | Hao | ZTE Corporation | ZTE Photonics |
| Miss | Dong | Jia | China Mobile E-Commerce Co. | China Mobile M2M Company Ltd. |
| Mr. | Elmdahl | Per | Ericsson France S.A.S | Ericsson France S.A.S |
| Mr. | Fung | Eddy | DELL Inc. | Dell Technologies |
| Mr. | Gautam | Deepanshu | Samsung R&D Institute UK | Samsung R&D Institute India |
| Mr. | Glozman | Borislav | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Dr. | Goerge | Jürgen | Nokia Germany | Nokia Hungary |
| Mr. | Görmer | Gerald | MATRIXX Software | MATRIXX Software |
| Mr. | Groenendijk | Jan | Ericsson LM | L.M. Ericsson Limited |
| Mr. | Guo | Yi | Intel Corporation (UK) Ltd | Intel Belgium SA/NV |
| Ms. | Gupta | Monika | Amdocs Software Systems Ltd | Amdocs Software Systems Ltd |
| Mr. | Gupta | Varini | Samsung R&D Institute India | Samsung Electronics France SA |
| Mr. | Guttman | Erik | Samsung R&D Institute UK | Samsung Electronics GmbH |
| Mr. | Harper | Colby | Pivotal Commware | Pivotal Commware |
| Mr. | Hassett | Brendan | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Sweden AB |
| Mr. | Hatanaka | Yoshitaka | NTT DOCOMO INC. | NTT DOCOMO INC. |
| Mr. | He | Zhimin | BUPT | BUPT |
| Mr. | Horvat | Atila | Hewlett-Packard Enterprise | Hewlett-Packard Enterprise |
| Ms. | Hu | Yaxi | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Miss | Hu | Yushuang | China Mobile Com. Corporation | China Mobile E-Commerce Co. |
| Miss | Huang | Xietian | HUAWEI Technologies Japan K.K. | HUAWEI Technologies Japan K.K. |
| Mr. | Jerbi | Walid | Deutsche Telekom AG | T-Mobile Polska S.A. |
| Mr. | Jesske | Roland | Deutsche Telekom AG | T-Mobile Polska S.A. |
| Mr. | Ju | Manchang | ZTE Corporation | Sanechips |
| Mr. | Kaushik | Ashutosh | Samsung R&D Institute UK | Samsung Electronics Co., Ltd |
| Miss | Kedalagudde | Meghashree D | Intel Deutschland GmbH | Intel Corporation SAS |
| Mr. | Klotz | Michael | Deutsche Telekom AG | T-Mobile Austria GmbH |
| Mr. | Kolekar | Abhijeet | Intel Corporation (UK) Ltd | Intel |
| Dr. | Kollar | Martin | Nokia Solutions & Networks (I) | Nokia Solutions & Networks (I) |
| Mr. | Kumar | Lalith | Samsung R&D Institute India | Samsung R&D Institute UK |
| Mr. | Lengyel | Balazs | Ericsson Hungary Ltd | Ericsson Hungary Ltd |
| Ms. | Li | Chenyi | China Unicom | Unicompay |
| Mr. | Li | Gang | Nanjing Ericsson Panda Com Ltd | Nanjing Ericsson Panda Com Ltd |
| Mr. | Li | Shitao | Huawei Tech.(UK) Co.. Ltd | HUAWEI TECH. GmbH |
| Mr. | Li | Zhendong | Nubia Technology Co.,Ltd | ZTE Wistron Telecom AB |
| Mr. | Li | Zhijun | ZTE Corporation | ZTE Corporation |
| Dr. | Liang | Haoran | Xiaomi Communications | Xiaomi Communications |
| Miss | liang | lixin | China Telecommunications | China Telecomunication Corp. |
| Miss | Liang | Shuang | Nubia Technology Co.,Ltd | ZONSON |
| Mr. | Libunao | Gerardo | Verizon UK Ltd | Verizon UK Ltd |
| Miss | Lin | Lin | China Unicom | Unicom Broadband Online |
| Ms. | Lu | Wei | Xiaomi Technology | Xiaomi Technology |
| Mr. | Lu | Yang | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies (Korea) |
| Mr. | Luetzenkirchen | Thomas | Intel Deutschland GmbH | Intel Deutschland GmbH |
| Ms. | Ma | Limeng | AsiaInfo Technologies Inc | AsiaInfo Technologies Inc |
| Mr. | Ma | Ruitao | China Unicom | CUG |
| Mr. | MAO | Yuxin | Beijing Xiaomi Mobile Software | Xiaomi EV Technology |
| Miss | Martinez Tarradell | Marta | Intel | Intel Corporation Italia SpA |
| Dr. | Mwanje | Stephen | Nokia | Nokia Italy |
| Mr. | Nakano | Yusuke | KDDI Corporation | KDDI Corporation |
| Mr. | Nandal | Arjun | NgNapps | NgNapps |
| Mr. | Niang | Mamadou M. | Verizon UK Ltd | Verizon Spain |
| Ms. | Niu | Yuxia | China Telecom Corporation Ltd. | Chinatelecom Cloud |
| Mr. | Ordonez-Lucena | Jose | TELEFONICA S.A. | TELEFONICA S.A. |
| Dr. | Palat | Sudeep | Intel Corporation (UK) Ltd | Intel Corporation (UK) Ltd |
| Mr. | Patry | Frank | Omnispace | Omnispace |
| Mr. | Petersen | Robert | Ericsson LM | Ericsson GmbH, Eurolab |
| Dr. | Pollakowski | Olaf | Nokia Germany | Nokia Germany |
| Mr. | Pozo | Sergio | VODAFONE Group Plc | Vodafone GmbH |
| Miss | Qi | Wen | China Telecommunications | China Telecommunications |
| Mr. | Ren | Chi | China Unicom | CITC |
| Mr. | Rodrigues | Joao | Nokia | Nokia UK |
| Mr. | Ronco | Enrico | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Mr. | Roy | Dibbendu | IIT, Kharagpur | IIT, Kharagpur |
| Mr. | Ruan | Bangqiu | ZTE Corporation | ZTE Corporation |
| Ms. | Sabater | Susana | VODAFONE Group Plc | VODAFONE Group Plc |
| Dr. | Sadeghi | Bahar | Microsoft Europe SARL | Microsoft Europe SARL |
| Mr. | Scott | Mark | Ericsson LM | Ericsson Inc. |
| Dr. | Shailendra | Samar | Intel Technology India Pvt Ltd | Intel Technology India Pvt Ltd |
| Mr. | Shan | Changhong | Intel Corporation (UK) Ltd | Intel China Ltd. |
| Mrs. | Shi | xiaoli | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI Technologies Japan K.K. |
| Mr. | Shu | Min | CATT | CATT |
| Mr. | Smith | David K. | AT&T GNS Belgium SPRL | AT&T GNS Belgium SPRL |
| Miss | Song | Xiaojia | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Srinivasan | Suresh | Intel | Intel K.K. |
| Miss | Srinivasaraju | Srilakshmi | Nokia Corporation | Nokia Corporation |
| Mr. | Stojanovski | Saso | Intel Deutschland GmbH | Intel Finland Oy |
| Mr. | Streijl | Robert | Peraton Labs | Peraton Labs |
| Mr. | Subramanya | Tejas | Nokia Germany | Nokia Germany |
| Mr. | Sun | Mingrui | China Unicom | China Unicom |
| Ms. | Sun | Qi | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Sun | Sean | Nokia Shanghai Bell | Nokia Shanghai Bell |
| Mr. | Swaminathan | Sivaramakrishnan | Nokia Germany | Nokia Korea |
| Mr. | Thalanany | Sebastian | US Cellular Corporation | US Cellular Corporation |
| Mr. | Tokel | Baris | ASELSAN | ASELSAN |
| Mr. | Törnkvist | Robert | Ericsson LM | Ericsson España S.A. |
| Mr. | Tovinger | Thomas | Ericsson LM | Ericsson LM |
| Mr. | Vaishnavi | Ishan | Lenovo (Beijing) Ltd | Lenovo Future Communications |
| Ms. | Wang | Junfeng | Ericsson LM | Oy LM Ericsson AB |
| Ms. | Wang | Man | HuaWei Technologies Co., Ltd | Huawei Technologies Japan K.K. |
| Miss | Wang | Menghan | ZTE Corporation | Nubia Technology Co.,Ltd |
| Dr. | Wang | Zhaoning | China Unicom | China Unicom |
| Ms. | WEI | QUN | China Unicom | BTPDI |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Mr. | Xiang | Li | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Xie | Baoguo | ZTE Corporation | Sanechips |
| Mr. | Xing | TianQi | China Unicom | CU Digital Technology |
| Mr. | XING | XIAOCHENG | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI TECHNOLOGIES Co. Ltd. |
| Mr. | Xu | Ruiyue | Huawei Tech.(UK) Co.. Ltd | Huawei Device Co., Ltd |
| Miss | Yan | Xiaojian | ZTE Corporation | CALTTA |
| Dr. | Yao | Ge | China Unicom | VSENS |
| Mr. | Yao | Yizhi | Intel Corporation (UK) Ltd | Intel Technology Poland SP Zoo |
| Dr. | Yu | Xiaobo | Alibaba (China) Group., Ltd. | Alibaba (China) Group., Ltd. |
| Mr. | Yun | Andy | TELUS | TELUS |
| Mr. | Zadeh | Bagher | Ericsson LM | Ericsson Limited |
| Mr. | Zhang | Jian | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Japan K.K. |
| Mr. | Zhang | Kai | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies R&D UK |
| Ms. | Zhang | Ling | Siemens AG | Siemens AG |
| Ms. | Zhang | Yuan | ZEKU | ZEKU |
| Dr. | Zhang | Zhuoyun | Tencent | Tencent Cloud |
| Prof. | Zhao | Liqiang | Xidian University | Xidian University |
| Dr. | Zhao | Shuai | Intel | Intel Sweden AB |
| Mr. | Zhao | Song | China Telecom Corporation Ltd. | China Telecommunications |
| Miss | Zhao | Xian | Huawei Technologies France | Huawei Technologies R&D UK |
| Miss | Zhou | Xingyue | ZTE Corporation | ZTE Corporation. |
| Mr. | Zhu | Chunhui | Beijing Xiaomi Mobile Software | Beijing Xiaomi Electronics |
| Mr. | Zhu | Lei | Huawei Tech.(UK) Co.. Ltd | Huawei Tech.(UK) Co.. Ltd |
| Mr. | Zhu | Weihong | ZTE Corporation | ZTE Corporation. |
| Ms. | Zou | Lan | Huawei Tech.(UK) Co.. Ltd | HuaWei Technologies Co., Ltd |

## Annex G: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA5#146 | 2022-11-14 | 2022-11-18 | TBD | Canada | S5-146 |
| SA5-Ad Hoc | 2023-01-16 | 2023-01-20 | TBD |  |  |
| SA5#147 | 2023-02-27 | 2023-03-03 | EU | EU | S5-147 |
| SA5#148 | 2023-04-17 | 2023-04-21 | TBD | US | S5-148 |
| SA5#149 | 2023-05-22 | 2023-05-26 | China | CN | S5-149 |
| SA5#150 | 2023-08-21 | 2023-08-25 | EU | EU | S5-150 |
| SA5#151 | 2023-10-09 | 2023-10-13 | Japan | JP | S5-151 |
| SA5#152 | 2023-11-13 | 2023-11-17 | TBD | US | S5-152 |