

1 Opening of the meeting

2 Approval of the agenda

S5-240000

Replaces

Agenda

WG Chair

The document was approved.

Replaced by

3 IPR and legal declaration

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

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

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

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

S5-240001

Replaces

IPR and legal declaration

WG Chair

The document was noted.

Replaced by

4 Meetings and activities reports

4.1 Last SA5 meeting report

S5-240002

Replaces

Report from last SA5 meeting

MCC

The document was approved.

Replaced by

4.2 Inter-organizational reports

5.1 Administrative issues at SA5 level

S5-240003

Replaces

SA5 working procedures

WG Chair

The document was revised.

Replaced by S5-240789

S5-240789

Replaces
S5-240003

SA5 working procedures

WG Chair

The document was approved.

S5-240004

Replaces

Latest SA5 Rel-19 WIs-SIs

WG Chair

The document was noted.

Replaced by

S5-240005

Replaces

Rel-19 SA5 work planning

WG Chair

The document was revised.

Replaced by S5-240790

S5-240790

Replaces
S5-240005

Rel-19 SA5 work planning

WG Chair

The document was noted.

S5-240006

Replaces

Rel-19 SA5 work plan TU table

WG Chair

The document was revised.

Replaced by S5-241078

S5-241078

Replaces
S5-240006

Rel-19 SA5 work plan TU table

WG Chair

The document was noted.

S5-240008

Replaces

SA5 Meeting facility requirements

WG Chair

The document was revised.

Replaced by S5-240791

S5-240791

Replaces
S5-240008

SA5 Meeting facility requirements

WG Chair

The document was noted.

<p>S5-240049 Replaces</p>	<p>Working procedure Addressing the common issues related to forge process.</p>	<p><i>Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was merged.</u> Replaced by S5-240789</p>
<p>S5-240371 Replaces</p>	<p>Preparation for finalization of Rel-18 in SA5#153</p>	<p><i>WG Chair</i></p>
		<p><u>The document was revised.</u> Replaced by S5-240792</p>
<p>S5-240792 Replaces S5-240371</p>	<p>Preparation for finalization of Rel-18 in SA5#153</p>	<p><i>WG Chair</i></p>
		<p><u>The document was noted.</u></p>
<p>S5-240373 Replaces</p>	<p>DP on Summary for Management Aspects related to NWDAF The discussion paper on the summary of the Rel-18 MANWDAF/FS_MANWDAF work item for SA#103 meeting</p>	<p><i>China Telecommunications</i></p>
		<p><u>The document was noted.</u> Replaced by</p>
<p>S5-240382 Replaces</p>	<p>List of specifications that are candidates for auto-upgrade to Rel-18</p>	<p><i>MCC</i></p>
		<p><u>The document was revised.</u> Replaced by S5-241083</p>
<p>S5-241083 Replaces S5-240382</p>	<p>List of specifications that are candidates for auto-upgrade to Rel-18</p>	<p><i>MCC</i></p>
		<p><u>The document was endorsed.</u></p>
<p>5.2</p>	<p>Technical issues at SA5 level</p>	
<p>5.3</p>	<p>Liaison statements at SA5 level</p>	
<p>S5-240076 Replaces</p>	<p>LS reply to LS on Reply LS on documenting code normatively in 3GPP Forge</p>	<p><i>Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was approved.</u> Replaced by</p>
<p>S5-240431 Replaces</p>	<p>LS on collaboration and alignment of 3GPP defined application enablers with GSMA Open Gateway</p>	<p><i>SP-231778</i></p>
		<p><u>The document was noted.</u> Replaced by</p>

S5-240432 Replaces	Reply LS to GSMA on Monitoring of Encrypted 5GS Signalling Traffic	<i>SP-231668</i>
		<u>The document was noted.</u>
		Replaced by
S5-240435	LS on initiating new work item ITU-T M.fmc dns: "Framework for management of cross-domain network slices in IMT-2020 network and beyond"	<i>ITU-T SG2</i>
Replaces		
		<u>The document was replied to.</u>
		Replaced by
S5-240439	LS on the consent of draft new Recommendation ITU-T Y.3127 (ex Y.IMT2020-SOCN-req-frame) "Future networks including IMT-2020 – Requirements and framework for self-organizing core network"	<i>ITU-T SG13</i>
Replaces		
		<u>The document was withdrawn.</u>
		Replaced by
S5-240444	LS on consent of draft new Recommendation ITU-T Y.3400 (ex Y.IMT2020-CNC-req) "Coordination of networking and computing in IMT-2020 networks and beyond - Requirements"	<i>ITU-T SG13</i>
Replaces		
		<u>The document was noted.</u>
		Replaced by
S5-240445	LS on alignment of 3GPP EDGEAPP, ETSI MEC and GSMA OP architectures	<i>S6-234028</i>
Replaces		
		<u>The document was replied to.</u>
		Replaced by
S5-240794	Reply to: LS on alignment of 3GPP EDGEAPP, ETSI MEC and GSMA OP architectures	<i>Samsung</i>
		<u>The document was email approval.</u>
S5-240446 Replaces	Reply LS on documenting code normatively in 3GPP Forge	<i>S4-231915</i>
		<u>The document was replied to.</u>
		Replaced by
S5-240450	Reply LS on potential collaboration between 3GPP SA3 and ETSI SAI	<i>S3-235007</i>
Replaces		
		<u>The document was noted.</u>
		Replaced by

S5-240455 Replaces	Reply LS on Clarification related to Network Slicing enhancement	S2-2313515
		<u>The document was noted.</u>
		Replaced by
S5-240456	Reply LS on Preparation of NG-RAN resources to serve the alternative S-NSSAI	S2-2313514
Replaces		
		<u>The document was noted.</u>
		Replaced by
S5-240462	LS to 3GPP_Reservation of Edge Resources	GSMA
Replaces		
		<u>The document was postponed.</u>
		Replaced by
S5-240471	LS to SA, SA3 and SA5 on potential collaboration between 3GPP SA3/SA5 and ETSI SAI ISG	ETSI ISG SAI
Replaces		
		<u>The document was replied to.</u>
		Replaced by
S5-240795	Reply to: LS to SA, SA3 and SA5 on potential collaboration between 3GPP SA3/SA5 and ETSI SAI ISG	NEC, Intel
	To be sent to SA plenary first.	
		<u>The document was revised.</u>
		Replaced by S5-241079
S5-241079	Reply to: LS to SA, SA3 and SA5 on potential collaboration between 3GPP SA3/SA5 and ETSI SAI ISG	NEC, Intel
Replaces S5-240795		
		<u>The document was approved.</u>
S5-240686	LS on the consent of draft new Recommendation ITU-T Y.3127 (ex Y.IMT2020-SOCN-req-frame) “Future networks including IMT-2020 – Requirements and framework for self-organizing core network”	ITU-T SG13
Replaces		
		<u>The document was noted.</u>
		Replaced by
5.4	SA5 meeting calendar	
S5-240007	SA5 meeting calendar	WG Chair
Replaces		
		<u>The document was noted.</u>
		Replaced by

6.1

OAM&P Plenary

[S5-240009](#)

Replaces

Time Plan for OAM sessions

WG Chair

The document was revised.

Replaced by S5-241075

[S5-241075](#)

Replaces
S5-240009

Time Plan for OAM sessions

WG Chair

The document was noted.

[S5-240010](#)

Replaces

OAM Chair notes and conclusions

WG Chair

The document was noted.

Replaced by

[S5-240011](#)

Replaces

Post e-meeting email approval status

WG Vice Chair (Ericsson)

The document was noted.

Replaced by

[S5-240012](#)

Replaces

Living document for stage 2-3 alignment

WG Vice Chair (Ericsson)

The document was email approval.

Replaced by

[S5-240013](#)

Replaces

OAM&P action list

WG Vice Chair (Nokia)

The document was noted.

Replaced by

[S5-240014](#)

Replaces

OAM Exec Report

WG Vice Chair (Nokia)

The document was noted.

Replaced by

[S5-240015](#)

Replaces

Collection of useful endorsed documents in OAM

WG Vice Chair (Nokia)

The document was noted.

Replaced by

<p>S5-240016 Replaces</p>	<p>Collection of external communication documents in OAM</p>	<p><i>WG Vice Chair (Nokia)</i></p>
		<p><u>The document was noted.</u></p>
		<p>Replaced by</p>
<p>S5-240021 Replaces</p>	<p>Reply LS on Support for MCE ID</p>	<p><i>Ericsson GmbH, Eurolab</i></p>
		<p><u>The document was approved.</u></p>
		<p>Replaced by</p>
<p>S5-240024 Replaces</p>	<p>Reply LS on the user consent for trace reporting</p>	<p><i>Ericsson GmbH, Eurolab</i></p>
		<p><u>The document was revised.</u></p>
		<p>Replaced by S5-241030</p>
<p>S5-241030 Replaces S5-240024</p>	<p>Reply LS on the user consent for trace reporting</p>	<p><i>Ericsson GmbH, Eurolab</i></p>
		<p><u>The document was revised.</u></p>
		<p>Replaced by S5-241084</p>
<p>S5-241084 Replaces S5-241030</p>	<p>Reply LS on the user consent for trace reporting</p>	<p><i>Ericsson GmbH, Eurolab</i></p>
		<p><u>The document was approved.</u></p>
<p>S5-240058 Replaces S5-237316</p>	<p>Collection of Rel-18 3GPP SA5 OAM WoP</p>	<p><i>WG Chair</i></p>
		<p><u>The document was noted.</u></p>
		<p>Replaced by</p>
<p>S5-240059 Replaces</p>	<p>SA5#153_agenda_with_Tdocs_sequence_proposal_OAM</p>	<p><i>WG Chair</i></p>
		<p><u>The document was noted.</u></p>
		<p>Replaced by</p>
<p>S5-240072 Replaces</p>	<p>LS reply to LS on Further reply LS on Cell ID (re)configuration for mobile IAB cell</p>	<p><i>Ericsson Telecomunicazioni SpA</i></p>
		<p><u>The document was revised.</u></p>
		<p>Replaced by S5-241029</p>
<p>S5-241029 Replaces S5-240072</p>	<p>LS reply to LS on Further reply LS on Cell ID (re)configuration for mobile IAB cell</p>	<p><i>Ericsson Telecomunicazioni SpA</i></p>
		<p><u>The document was approved.</u></p>
<p>S5-240149 Replaces</p>	<p>LS on new definitions of energy efficiency and energy consumption</p>	<p><i>Huawei</i></p>
		<p><u>The document was revised.</u></p>
		<p>Replaced by S5-240816</p>

S5-240816	LS on new definitions of energy efficiency and energy consumption	<i>Huawei</i>
		<u>The document was approved.</u>
S5-240154	LS reply to RAN3 on AI ML energy saving energy cost index	<i>Huawei</i>
Replaces		
		<u>The document was not pursued.</u>
S5-240339	LS on progress of 3GPP SA5 R18 and R19 work on intent driven management	<i>Huawei, Ericsson</i>
Replaces		
		<u>The document was approved.</u>
S5-240359	LS reply to ITU-SG2 on sp17-sg2-oLS-00088	<i>Huawei</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240793
S5-240793	LS reply to ITU-SG2 on sp17-sg2-oLS-00088	<i>Huawei</i>
Replaces S5-240359		
		<u>The document was approved.</u>
S5-240386	LS Reply to LS SG13-LS110 on the consent of draft new Recommendation ITU-T Y.3161 (ex ITU-T Y.IMT2020-IBNMO)	<i>Huawei, Ericsson</i>
Replaces		
		<u>The document was approved.</u>
		Replaced by
S5-240387	LS reply to LS sp17-sg2-oLS-00080 on work progress of M.fidtom Framework of intent driven telecom operation and management	<i>Huawei, Ericsson</i>
Replaces		
		<u>The document was approved.</u>
S5-240433	LS/r on Completion of informative work of Green NFV feature	<i>ITU-T SG5</i>
Replaces		
		<u>The document was noted.</u>
		Replaced by
S5-240434	LS/r on energy efficiency metrics and methodologies	<i>ITU-T SG5</i>
Replaces		
		<u>The document was noted.</u>
		Replaced by

S5-240436	LS/r on work progress of M.fidtom: Framework of intent driven telecom operation and management	<i>ITU-T SG2</i>
Replaces		
		<u>The document was replied to.</u>
S5-240437	LS/r on request to clarify the questions about ITU-T Recommendation M.3384 (ex. M.il-AITOM) and ITU-T Recommendation M.3385 (ex. M.ilef-AITOM) and progress about ITU-T M.eiil-AITOM “effectiveness indicators of intelligence level for AITOM”	<i>ITU-T SG2</i>
Replaces		
		<u>The document was noted.</u>
		Replaced by
S5-240438	LS on initiation of a new work item ITU-T Y.bDDN-Mec-IPP “Big data driven networking – mechanism for customer-oriented intent perception and processing”	<i>ITU-T SG13</i>
Replaces		
		<u>The document was noted.</u>
		Replaced by
S5-240440	LS on initiation of the new work item ITU-T Y.IMT2020-EE-CFW "Requirements and capability framework of IMT-2020 networks and beyond from the energy efficiency perspective"	<i>ITU-T SG13</i>
Replaces		
		<u>The document was withdrawn.</u>
		Replaced by
S5-240441	LS on the consent of draft new Recommendation ITU-T Y.3141 (ex Y.IMT2020-REEM) “Energy efficiency management of virtual resources in IMT-2020 networks and beyond”	<i>ITU-T SG13</i>
Replaces		
		<u>The document was noted.</u>
		Replaced by
S5-240442	LS on the consent of draft new Recommendation ITU-T Y.3161 (ex ITU-T Y.IMT2020-IBNMO) “Intent-based network management and orchestration for network slicing in IMT-2020 networks and beyond”	<i>ITU-T SG13</i>
Replaces		
		<u>The document was replied to.</u>
		Replaced by
S5-240443	LS on initiation of new work item ITU-T Y.EAIAA “Enhanced AI-assisted analysis for network slicing in IMT-2020 networks and beyond”	<i>ITU-T SG13</i>
Replaces		
		<u>The document was noted.</u>
		Replaced by
S5-240447	LS Reply on area scope for QoE measurements	<i>S4-231905</i>
Replaces		
		<u>The document was noted.</u>
		Replaced by

S5-240448 Replaces	LS reply for LS on QMC support in RRC_IDLE and RRC_INACTIVE	S3-235102
		<u>The document was noted.</u>
		Replaced by
S5-240449 Replaces	LS reply for Security for AI ML management capabilities	S3-235101
		<u>The document was noted.</u>
		Replaced by
S5-240451 Replaces	LS reply for LS on user consent for SON/MDT for NB-IoT UEs	S3-235004
		<u>The document was noted.</u>
		Replaced by
S5-240452 Replaces	Reply LS on QMC support in RRC_IDLE and RRC_INACTIVE	S2-2313777
		<u>The document was noted.</u>
		Replaced by
S5-240453 Replaces	LS on KPIs granularity of the end-to-end data volume transfer time analytics	S2-2313635
		<u>The document was replied to.</u>
		Replaced by
S5-240457 Replaces	LS on OAM requirements for UE location verification	R3-238056
		<u>The document was postponed.</u>
		Replaced by
S5-240458 Replaces	Support for MCE ID	R3-238003
		<u>The document was replied to.</u>
		Replaced by
S5-240459 Replaces	Reply LS on the user consent for trace reporting	R3-237964
		<u>The document was replied to.</u>
		Replaced by
S5-240460 Replaces	Reply LS on Reply to LS on AI/ML for NG-RAN Energy Saving Energy Cost index	R3-235743
		<u>The document was replied to.</u>
		Replaced by

S5-241076	Reply LS on Reply to LS on AI ML for NG-RAN Energy Saving Energy Cost index	<i>Nokia</i>
		<u>The document was email approval.</u>
S5-240461 Replaces	LS on area scope handling for QoE measurement collection	<i>R2-2313685</i>
		<u>The document was noted.</u>
		Replaced by
S5-240464 Replaces	LS on “Certificate Management”	<i>ETSI ISG NFV</i>
		<u>The document was noted.</u>
		Replaced by
S5-240465 Replaces	LS on Update on autonomous networks key effectiveness indicators	<i>TM Forum</i>
		<u>The document was noted.</u>
		Replaced by
S5-240466 Replaces	Reply LS to 3GPP SA5 on ETSI TC EE Activities	<i>ETSI TC EE</i>
		<u>The document was noted.</u>
		Replaced by
S5-240469 Replaces	Reply LS on Multiple Trace/MDT configurations	<i>R3-235882</i>
		<u>The document was replied to.</u>
		Replaced by
S5-240798	Reply to: Reply LS on Multiple Trace/MDT configurations	<i>Ericsson</i>
		<u>The document was approved.</u>
S5-240470 Replaces	LS on MDT measurements collection in MR-DC	<i>R3-232070</i>
		<u>The document was postponed.</u>
		Replaced by
S5-240472 Replaces	LSout on “Certificate Management”	<i>ETSI ISG NFV</i>
		<u>The document was withdrawn.</u>
		Replaced by

S5-240473	Update on autonomous networks key effectiveness indicators LS(23)0004 Update on autonomous networks key effectiveness indicators	<i>TM Forum</i>
Replaces		<u>The document was withdrawn.</u>
		Replaced by
S5-240497	Discussion paper on management support for 5G Core	<i>Ericsson, Deutsche Telekom</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-241032
S5-241032	Discussion paper on management support for 5G Core	<i>Ericsson, Deutsche Telekom, Huawei</i>
Replaces		
S5-240497		
		<u>The document was noted.</u>
S5-240525	Reply LS on KPIs granularity of the end-to-end data volume transfer time analytics	<i>China Mobile E-Commerce Co.</i>
Replaces		
		<u>The document was merged.</u>
		Replaced by S5-241037
S5-240561	Reply LS on improved KPIs involving end-to-end data volume transfer time analytics	<i>Intel, Verizon</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-241037
S5-241037	Reply LS on improved KPIs involving end-to-end data volume transfer time analytics	<i>Intel, Verizon</i>
Replaces		
S5-240561		
		<u>The document was revised.</u>
		Replaced by S5-241086
S5-241086	Reply LS on improved KPIs involving end-to-end data volume transfer time analytics	<i>Intel, Verizon</i>
Replaces		
S5-241037		
		<u>The document was approved.</u>
S5-240687	LS on initiation of the new work item ITU-T Y.IMT2020-EE-CFW "Requirements and capability framework of IMT-2020 networks and beyond from the energy efficiency perspective"	<i>ITU-T SG13</i>
Replaces		
		<u>The document was noted.</u>
		Replaced by
S5-240865	LS to 3GPP SA5 on possible workshop	<i>ETSI ISG NFV</i>
		<u>The document was replied to.</u>

[S5-241031](#)

Reply to: LS to ETSI ISG NFV on possible workshop

Huawei, DOCOMO

The document was approved.

6.2 New OAM&P Work Item proposals

6.2.1 Intelligence and Automation

6.2.2 Management Architecture and Mechanisms

[S5-240420](#)

Replaces

Rel-19 New WID for MSAC

Nokia UK

The document was noted.

Replaced by

[S5-241040](#)

Revised WID on enhancements of 5G performance measurements and KPIs phase 3

Intel

The document was agreed.

[S5-241073](#)

Revised WID on Management Aspects of 5G Network Sharing Phase2

China Unicom

The document was withdrawn.

6.2.3 Support of New Services

6.3 OAM&P Maintenance and Rel-18 small Enhancements

6.3.1 Methodology

6.3.2 ANL

6.3.3 MDAS

[S5-240233](#)
Replaces

Rel-17 CR 28.104 adding missing MDAEntity

Huawei

The document was revised.

Replaced by S5-240944

[S5-240944](#)
Replaces
S5-240233

Rel-17 CR 28.104 adding missing MDAEntity

Huawei

The document was agreed.

[S5-240237](#)
Replaces

Rel-18 CR 28.104 adding missing MDAEntity

Huawei Technologies France

The document was revised.

Replaced by S5-240945

[S5-240945](#)
Replaces
S5-240237

Rel-18 CR 28.104 adding missing MDAEntity

Huawei Technologies France

The document was agreed.

[S5-240238](#)
Replaces

Rel-17 CR 28.104 correction on MDAReport IOC

Huawei

The document was revised.

Replaced by S5-240946

[S5-240946](#)
Replaces
S5-240238

Rel-17 CR 28.104 correction on MDAReport IOC

Huawei

The document was agreed.

[S5-240239](#)
Replaces

Rel-18 CR 28.104 correction on MDAReport IOC

Huawei Technologies France

The document was revised.

Replaced by S5-240947

[S5-240947](#)
Replaces
S5-240239

Rel-18 CR 28.104 correction on MDAReport IOC

Huawei Technologies France

The document was agreed.

[S5-240384](#)
Replaces

Rel-17 CR 28.104 Fix error in definition of analyticsPeriod

Huawei

The document was revised.

Replaced by S5-240948

S5-240948
Replaces
S5-240384

Rel-17 CR 28.104 Fix error in definition of analyticsPeriod

Huawei

The document was agreed.

S5-240385
Replaces

Rel-18 CR 28.104 Fix error in definition of analyticsPeriod

Huawei

The document was revised.

Replaced by S5-240949

S5-240949
Replaces
S5-240385

Rel-18 CR 28.104 Fix error in definition of analyticsPeriod

Huawei

The document was agreed.

6.3.4 AI/ML

S5-240183
Replaces

Rel-17 Correct trainingRequestSource attribute type
Correct trainingRequestSource attribute type

Ericsson France S.A.S

The document was revised.

Replaced by S5-240950

S5-240950
Replaces
S5-240183

Rel-17 Correct trainingRequestSource attribute type

Ericsson France S.A.S

The document was agreed.

S5-240184
Replaces

Rel-18 Correct trainingRequestSource attribute type
Correct trainingRequestSource attribute type

Ericsson France S.A.S

The document was revised.

Replaced by S5-240951

S5-240951
Replaces
S5-240184

Rel-18 Correct trainingRequestSource attribute type

Ericsson France S.A.S

The document was agreed.

S5-240488
Replaces

Rel 17 CR TS 28.105 Add additional reference related to NWDAF

Nokia, Nokia Shanghai Bell

The document was revised.

Replaced by S5-240986

S5-240986
Replaces
S5-240488

Rel 17 CR TS 28.105 Add additional reference related to NWDAF

Nokia, Nokia Shanghai Bell

The document was agreed.

S5-240492
Replaces

Rel 18 CR TS 28.105 Add additional reference related to NWDAF

Nokia, Nokia Shanghai Bell

The document was revised.

Replaced by S5-240952

S5-240952
Replaces
S5-240492

Rel 18 CR TS 28.105 Add additional reference related to NWDAF

Nokia, Nokia Shanghai Bell

The document was agreed.

S5-240493
Replaces

Rel 17 CR TS 28.105 Add missing abbreviations

Nokia, Nokia Shanghai Bell

The document was revised.

Replaced by S5-240953

S5-240953
Replaces
S5-240493

Rel 17 CR TS 28.105 Add missing abbreviations

Nokia, Nokia Shanghai Bell

The document was agreed.

S5-240494
Replaces

Rel 18 CR TS 28.105 Add missing abbreviations

Nokia, Nokia Shanghai Bell

The document was revised.

Replaced by S5-240954

S5-240954
Replaces
S5-240494

Rel 18 CR TS 28.105 Add missing abbreviations

Nokia, Nokia Shanghai Bell

The document was agreed.

S5-240606
Replaces

Rel 17 CR TS 28.105 Clarify the description of inferenceOutputName

Nokia, Nokia Shanghai Bell

The document was not pursued.

Replaced by

S5-240607
Replaces

Rel 18 CR TS 28.105 Clarify the description of inferenceOutputName

Nokia, Nokia Shanghai Bell

The document was revised.

Replaced by S5-240610

S5-240610
Replaces
S5-240607

Rel 18 CR TS 28.105 Clarify the description of inferenceOutputName

Nokia, Nokia Shanghai Bell

The document was not pursued.

Replaced by

6.3.5

Energy efficiency

S5-240355
Replaces

Rel-18 CR TS 28.310 Update energy saving terms

Huawei

The document was not pursued.

Replaced by S5-240956

S5-240956
Replaces
S5-240355

Rel-18 CR TS 28.310 Update energy saving terms

Huawei

The document was withdrawn.

6.3.6		Intent driven management	
S5-240102	Rel-18 CR TS 28.312 Add ENUM definition to infeasibilityReasons Stage2		<i>NTT DOCOMO</i>
Replaces			
			<u>The document was revised.</u>
			Replaced by S5-240957
S5-240957	Rel-18 CR TS 28.312 Add ENUM definition to infeasibilityReasons Stage2		<i>NTT DOCOMO</i>
Replaces S5-240102			
			<u>The document was not pursued.</u>
S5-240103	Rel-18 CR TS 28.312 Add ENUM definition to infeasibilityReasons Stage3		<i>NTT DOCOMO</i>
Replaces			
			<u>The document was revised.</u>
			Replaced by S5-240958
S5-240958	Rel-18 CR TS 28.312 Add ENUM definition to infeasibilityReasons Stage3		<i>NTT DOCOMO</i>
Replaces S5-240103			
			<u>The document was not pursued.</u>
S5-240108	Rel-18 CR TS 28.554 Correction of Intent Conflict Resolution		<i>ZTE Corporation</i>
Replaces			
			<u>The document was revised.</u>
			Replaced by S5-240961
S5-240961	Rel-18 CR TS 28.554 Correction of Intent Conflict Resolution		<i>ZTE Corporation</i>
Replaces S5-240108			
			<u>The document was agreed.</u>
S5-240135	Rel-18 CR TS 28.312 Rapporteur clean up		<i>Huawei</i>
Replaces			
			<u>The document was revised.</u>
			Replaced by S5-240959
S5-240959	Rel-18 CR TS 28.312 Rapporteur clean up		<i>Huawei</i>
Replaces S5-240135			
			<u>The document was agreed.</u>
S5-240136	Rel-18 CR TS 28.312 Update the YAML document examples to align with yaml definition		<i>Huawei</i>
Replaces			
			<u>The document was revised.</u>
			Replaced by S5-240960

S5-240960	Rel-18 CR TS 28.312 Update the YAML document examples to align with yaml definition	<i>Huawei</i>
Replaces S5-240136		<u>The document was agreed.</u>
S5-240137	Rel-18 CR TS 28.312 Address CR implementation issue for CR0171 and CR0173	<i>Huawei</i>
Replaces		<u>The document was revised.</u>
S5-241038	Rel-18 CR TS 28.312 Address CR implementation issue for CR0171 and CR0173	<i>Huawei</i>
Replaces S5-240137		Replaced by S5-241038
S5-240360	Rel-18 CR TS 28.312 Add a new attribute for FeasibilityCheckReport	<i>ZTE Corporation</i>
Replaces		<u>The document was agreed.</u>
S5-240361	Rel-18 CR TS 28.312 clarification about notFulfilledState condition	<i>ZTE Corporation</i>
Replaces		<u>The document was not pursued.</u>
		Replaced by
S5-240963	Rel-18 CR TS 28.312 clarification about notFulfilledState condition	<i>ZTE Corporation</i>
Replaces S5-240361		<u>The document was revised.</u>
		Replaced by S5-240963
S5-240362	Rel-18 CR TS 28.312 Update the description of clause 5.3.2 intent report	<i>ZTE Corporation</i>
Replaces		<u>The document was agreed.</u>
S5-240964	Rel-18 CR TS 28.312 Update the description of clause 5.3.2 intent report	<i>ZTE Corporation</i>
Replaces S5-240362		<u>The document was revised.</u>
		Replaced by S5-240964
S5-240363	Rel-18 CR TS 28.312 Remove optional predicted value in intent report	<i>ZTE Corporation</i>
Replaces		<u>The document was agreed.</u>
		<u>The document was agreed.</u>
		Replaced by

[S5-240388](#)
Replaces

Rel-18 CR TS 28.312 normative yaml code in 3gpp forge

Huawei

The document was revised.

Replaced by S5-240965

[S5-240965](#)
Replaces
S5-240388

Rel-18 CR TS 28.312 normative yaml code in 3gpp forge

Huawei

The document was agreed.

6.3.7

SON

6.3.8

QMC

[S5-240064](#)
Replaces

Rel-18 CR TS28.406 Adding QoE Metrics for VR

Ericsson

The document was agreed.

Replaced by

[S5-240065](#)
Replaces

Rel-18 CR TS28.405 Missing QoE Deactivation in NR

Ericsson

The document was agreed.

Replaced by

6.3.9

Network slicing management

[S5-240043](#)
Replaces

Rel-18 CR TS 28.541 Correction to attribute constraints of IsolationProfile

Nokia, Nokia Shanghai Bell

The document was revised.

Replaced by S5-240966

[S5-240966](#)
Replaces
S5-240043

Rel-18 CR TS 28.541 Correction to attribute constraints of IsolationProfile

*Nokia, Nokia Shanghai Bell,
Ericsson*

The document was agreed.

[S5-240044](#)
Replaces

Rel-17 CR TS 28.541 Clarify attribute constraints for SliceProfile

Nokia, Nokia Shanghai Bell

The document was revised.

Replaced by S5-240967

[S5-240967](#)
Replaces
S5-240044

Rel-17 CR TS 28.541 Clarify attribute constraints for SliceProfile

*Nokia, Nokia Shanghai Bell,
Ericsson*

The document was agreed.

S5-240045 Replaces	Rel-18 CR TS 28.541 Clarify attribute constraints for SliceProfile	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was revised.</u> Replaced by S5-240968
S5-240968 Replaces S5-240045	Rel-18 CR TS 28.541 Clarify attribute constraints for SliceProfile	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
		<u>The document was agreed.</u>
S5-240498 Replaces	Rel-18 CR TS 28.531 Add references to component table 6.3	<i>Ericsson, Deutsche Telekom</i>
		<u>The document was revised.</u> Replaced by S5-240969
S5-240969 Replaces S5-240498	Rel-18 CR TS 28.531 Add references to component table 6.3	<i>Ericsson, Deutsche Telekom</i>
		<u>The document was agreed.</u>
S5-240499 Replaces	Rel-18 CR TS 28.533 Clarify the exposure governance management function definition	<i>Ericsson, Deutsche Telekom</i>
		<u>The document was not pursued.</u> Replaced by
S5-240500 Replaces	Rel-18 CR TS 28.533 Fix error in diagram in clause 5.5	<i>Ericsson, Deutsche Telekom</i>
		<u>The document was not pursued.</u> Replaced by
S5-240501 Replaces	Rel-18 CR TS 28.541 Align Annex P with Serviceprofile	<i>Ericsson, Deutsche Telekom</i>
		<u>The document was revised.</u> Replaced by S5-240970
S5-240970 Replaces S5-240501	Rel-18 CR TS 28.541 Align Annex P with Serviceprofile	<i>Ericsson, Deutsche Telekom</i>
		<u>The document was agreed.</u>
S5-240502 Replaces	Rel-18 CR TS 28.541 Align slice imported information table with the class diagram	<i>Ericsson, Deutsche Telekom</i>
		<u>The document was revised.</u> Replaced by S5-240971
S5-240971 Replaces S5-240502	Rel-18 CR TS 28.541 Align slice imported information table with the class diagram	<i>Ericsson, Deutsche Telekom, Nokia</i>
		<u>The document was agreed.</u>

6.3.10 MEC management

6.3.11 General NRM

[S5-240027](#)

TS28.104 Rel18 correction to Schema definition Issues for SubNetwork and ManagedElement of OpenAPI SS

Nokia, Nokia Shanghai Bell

Replaces

The document was agreed.

Replaced by

[S5-240028](#)

TS28.105 Rel18 correction to Schema definition Issues for SubNetwork and ManagedElement of OpenAPI SS

Nokia, Nokia Shanghai Bell

Replaces

The document was agreed.

Replaced by

[S5-240029](#)

TS28.312 Rel18 correction to Schema definition Issues for SubNetwork of OpenAPI SS

Nokia, Nokia Shanghai Bell

Replaces

The document was agreed.

Replaced by

[S5-240031](#)

TS28.536 Rel18 correction to Schema definition Issues for SubNetwork and ManagedElement of OpenAPI SS

Nokia, Nokia Shanghai Bell

Replaces

The document was agreed.

Replaced by

[S5-240032](#)

TS28.538 Rel18 correction to Schema definition Issues for SubNetwork of OpenAPI SS

Nokia, Nokia Shanghai Bell

Replaces

The document was agreed.

Replaced by

[S5-240033](#)

TS28.541 Rel18 correction to Schema definition Issues for SubNetwork and ManagedElement of OpenAPI SS

Nokia, Nokia Shanghai Bell

Replaces

The document was agreed.

Replaced by

[S5-240034](#)

TS28.623 Rel18 correction to Schema definition Issues for SubNetwork and ManagedElement of OpenAPI SS

Nokia, Nokia Shanghai Bell

Replaces

The document was revised.

Replaced by S5-240972

S5-240972	TS28.623 Rel18 correction to Schema definition Issues for SubNetwork and ManagedElement of OpenAPI SS	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240034		<u>The document was agreed.</u>
S5-240035	TS28.622 corrections to class diagram Issue for SubNetwork	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
S5-240974	TS28.622 corrections to class diagram Issue for SubNetwork	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240035		Replaced by S5-240974
S5-240051	Rel-17 CR 28.532 notifyEvent stage 3	<i>Ericsson Hungary Ltd</i>
Replaces		<u>The document was agreed.</u>
S5-240052	Rel-18 CR 28.532 notifyEvent stage 3	<i>Ericsson Hungary Ltd</i>
Replaces		<u>The document was agreed.</u>
S5-240053	Rel-18 CR 32.156 IOC and Attribute naming rules	<i>Ericsson Hungary Ltd</i>
Replaces		Replaced by
S5-240975	Rel-18 CR 32.156 IOC and Attribute naming rules	<i>Ericsson Hungary Ltd</i>
Replaces S5-240053		<u>The document was agreed.</u>
S5-240054	Rel-17 28.622 Correct performanceMetrics attribute definition	<i>Ericsson Inc.</i>
Replaces		<u>The document was revised.</u>
S5-240976	Rel-17 28.622 Correct performanceMetrics attribute definition	<i>Ericsson Inc.</i>
Replaces S5-240054		Replaced by S5-240976
S5-240063	Rel-17 CR 32.160 Clarify YANG revisions	<i>Ericsson Hungary Ltd</i>
Replaces	Candidate for block approval	<u>The document was agreed.</u>
		Replaced by

S5-240066
Replaces

Rel-18 CR 32.160 Clarify YANG revisions

Ericsson Hungary Ltd

The document was agreed.

Replaced by

S5-240083

TS28.623 Rel17 correction to ReportingCtrl stage 3 OpenAPI implementation

Nokia, Nokia Shanghai Bell

Replaces

The document was agreed.

Replaced by

S5-240084

TS28.623 Rel18 correction to ReportingCtrl stage 3 OpenAPI implementation

Nokia, Nokia Shanghai Bell

Replaces

The document was agreed.

Replaced by

S5-240087

R18 CR TS 28.541 Correct the expression of parameter S in Attribute constraints

China Telecom Corporation Ltd., Nokia, Nokia Shanghai Bell

Replaces

The document was revised.

Replaced by S5-240925

S5-240925

R18 CR TS 28.541 Correct the expression of parameter S in Attribute constraints

China Telecom Corporation Ltd., Nokia, Nokia Shanghai Bell

Replaces
S5-240087

The document was agreed.

S5-240088

R18 CR TS 28.541 Remove the duplications in attributes constraints of NRCelIDU

China Telecom Corporation Ltd.

Replaces

The document was agreed.

Replaced by

S5-240089

Rel-17 CR TS 28.541 Correct the referece in attributes of qOffsetRangeList and beamIndex

China Telecom Corporation Ltd., Nokia, Nokia Shanghai Bell

Replaces

The document was agreed.

Replaced by

S5-240090

Rel-18 CR TS 28.541 Correct the referece in attributes of qOffsetRangeList and beamIndex

China Telecom Corporation Ltd., Nokia, Nokia Shanghai Bell

Replaces

The document was agreed.

Replaced by

S5-240091	R18 CR TS 28.541 Correct the clauses' number in Clause 5.3	<i>China Telecom Corporation Ltd., Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240977
S5-240977	R18 CR TS 28.541 Correct the clauses' number in Clause 5.3	<i>China Telecom Corporation Ltd., Nokia, Nokia Shanghai Bell, CATT</i>
Replaces S5-240091		
		<u>The document was agreed.</u>
S5-240109	Rel-17 CR Update Status of ProcessMonitor	<i>ZTE Corporation</i>
Replaces		
		<u>The document was not pursued.</u>
		Replaced by
S5-240187	Rel-18 CR 28.623 Removal of the Corba and XML Solution Sets	<i>Ericsson Hungary Ltd</i>
Replaces	Candidate for block approval	
		<u>The document was agreed.</u>
		Replaced by
S5-240341	Rel-17 CR 28.623 YANG Corrections	<i>Ericsson Hungary Ltd</i>
Replaces	Candidate for block approval	
		<u>The document was revised.</u>
		Replaced by S5-240978
S5-240978	Rel-17 CR 28.623 YANG Corrections	<i>Ericsson Hungary Ltd</i>
Replaces S5-240341		
		<u>The document was agreed.</u>
S5-240346	Rel-17 CR 28.541 YANG Corrections	<i>Ericsson Hungary Ltd</i>
Replaces	Candidate for block approval	
		<u>The document was revised.</u>
		Replaced by S5-240979
S5-240979	Rel-17 CR 28.541 YANG Corrections	<i>Ericsson Hungary Ltd</i>
Replaces S5-240346		
		<u>The document was agreed.</u>
S5-240347	Rel-18 CR 28.623 YANG Corrections	<i>Ericsson Hungary Ltd</i>
Replaces	Candidate for block approval	
		<u>The document was revised.</u>
		Replaced by S5-241033
S5-241033	Rel-18 CR 28.623 YANG Corrections	<i>Ericsson Hungary Ltd</i>
Replaces S5-240347		
		<u>The document was agreed.</u>

S5-240348

Replaces

Rel-18 CR 28.541 YANG Corrections
Candidate for block approval

Ericsson Hungary Ltd

The document was revised.

Replaced by S5-241034

Ericsson Hungary Ltd

S5-241034

Replaces
S5-240348

Rel-18 CR 28.541 YANG Corrections

The document was agreed.

6.3.12

PM/KPI

S5-240106

Replaces

Rel-17 CR TS 28.554 Correction of Wrong Clause Indexes

ZTE Corporation

The document was agreed.

Replaced by

ZTE Corporation

S5-240107

Replaces

Rel-18 CR TS 28.554 Correction of Wrong Clause Indexes

The document was agreed.

Replaced by

Ericsson Inc.

S5-240486

Replaces

Rel-17 28.552 Correct measurement definition "SS-RSRP distribution per SSB of neighbor cell"

The document was revised.

Replaced by S5-240980

Ericsson Inc.

S5-240980

Replaces
S5-240486

Rel-17 28.552 Correct measurement definition "SS-RSRP distribution per SSB of neighbor cell"

The document was agreed.

Ericsson Inc.

S5-240565

Replaces

Rel-18 28.552 Correct measurement definition "SS-RSRP distribution per SSB of neighbor cell"

The document was revised.

Replaced by S5-240981

Ericsson Inc.

S5-240981

Replaces
S5-240565

Rel-18 28.552 Correct measurement definition "SS-RSRP distribution per SSB of neighbor cell"

The document was agreed.

ZTE Corporation

S5-240643

Replaces

Rel-17 CR TS28.552 Fix collecting method for UE Context Release

The document was agreed.

Replaced by

S5-240644
Replaces

Rel-18 CR TS28.552 Fix collecting method for UE Context Release

ZTE Corporation

The document was agreed.

Replaced by

6.3.13

Trace/MDT

S5-24067
Replaces

Rel-16 CR TS32.422 Missing TCE Identity Mapping

Ericsson GmbH, Eurolab

The document was agreed.

Replaced by

S5-24068
Replaces

Rel-17 CR TS32.422 Missing TCE Identity Mapping

Ericsson GmbH, Eurolab

The document was agreed.

Replaced by

S5-24069
Replaces

Rel-18 CR TS32.422 Missing TCE Identity Mapping

Ericsson GmbH, Eurolab

The document was agreed.

Replaced by

S5-240160
Replaces

Rel-16 32.423 Correct trace record header definition

Ericsson Inc.

The document was agreed.

Replaced by

S5-240257
Replaces

Rel-15 CR TS 32.422 Add missing steps of Trace Start in N3IWF for untrusted non-3GPP access

Nokia, Nokia Shanghai Bell

The document was revised.

Replaced by S5-240982

S5-240982
Replaces
S5-240257

Rel-15 CR TS 32.422 Add missing steps of Trace Start in N3IWF for untrusted non-3GPP access

Nokia, Nokia Shanghai Bell

The document was agreed.

Nokia, Nokia Shanghai Bell

S5-240258
Replaces

Rel-16 CR TS 32.422 Add missing steps of Trace Start in N3IWF for untrusted non-3GPP access

The document was revised.

Replaced by S5-240983

S5-240983
Replaces
S5-240258

Rel-16 CR TS 32.422 Add missing steps of Trace Start in N3IWF for untrusted non-3GPP access

Nokia, Nokia Shanghai Bell

The document was agreed.

S5-240259	Rel-17 CR TS 32.422 Add missing steps of Trace Start in N3IWF for untrusted non-3GPP access	<i>Nokia, Nokia Shangai Bell</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240984
S5-240984	Rel-17 CR TS 32.422 Add missing steps of Trace Start in N3IWF for untrusted non-3GPP access	<i>Nokia, Nokia Shangai Bell</i>
Replaces S5-240259		<u>The document was agreed.</u>
S5-240260	Rel-18 CR TS 32.422 Add missing steps of Trace Start in N3IWF for untrusted non-3GPP access	<i>Nokia, Nokia Shangai Bell</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240985
S5-240985	Rel-18 CR TS 32.422 Add missing steps of Trace Start in N3IWF for untrusted non-3GPP access	<i>Nokia, Nokia Shangai Bell</i>
Replaces S5-240260		<u>The document was agreed.</u>
S5-240261	Rel-16 CR TS 32.421 Add missing requirement for N28 in PCF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was not pursued.</u> Replaced by S5-240987
S5-240987	Rel-16 CR TS 32.421 Add missing requirement for N28 in PCF	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
Replaces S5-240261		<u>The document was withdrawn.</u>
S5-240262	Rel-17 CR TS 32.421 Add missing requirement for N28 in PCF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was not pursued.</u> Replaced by S5-240988
S5-240988	Rel-17 CR TS 32.421 Add missing requirement for N28 in PCF	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
Replaces S5-240262		<u>The document was withdrawn.</u>
S5-240263	Rel-18 CR TS 32.421 Add missing requirement for N28 in PCF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240989

S5-240989	Rel-18 CR TS 32.421 Add missing requirement for N28 in PCF	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
Replaces S5-240263		<u>The document was not pursued.</u>
S5-240264	Rel-16 CR TS 32.422 Add missing trace measurement and control configuration for N28 in PCF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was not pursued.</u>
S5-240990	Rel-16 CR TS 32.422 Add missing trace measurement and control configuration for N28 in PCF	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
		Replaced by S5-240990
		<u>The document was withdrawn.</u>
S5-240265	Rel-17 CR TS 32.422 Add missing trace measurement and control configuration for N28 in PCF	<i>Nokia, Nokia Shangai Bell</i>
Replaces		<u>The document was not pursued.</u>
		Replaced by S5-240991
S5-240991	Rel-17 CR TS 32.422 Add missing trace measurement and control configuration for N28 in PCF	<i>Nokia, Nokia Shangai Bell, Ericsson</i>
		<u>The document was withdrawn.</u>
S5-240266	Rel-18 CR TS 32.422 Add missing trace measurement and control configuration for N28 in PCF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-240992
S5-240992	Rel-18 CR TS 32.422 Add missing trace measurement and control configuration for N28 in PCF	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
Replaces S5-240266		<u>The document was not pursued.</u>
S5-240267	Rel-16 CR TS 32.423 Add missing trace record content for N28 in PCF	<i>Nokia, Nokia Shangai Bell</i>
Replaces		<u>The document was not pursued.</u>
		Replaced by S5-240993
S5-240993	Rel-16 CR TS 32.423 Add missing trace record content for N28 in PCF	<i>Nokia, Nokia Shangai Bell, Ericsson</i>
		<u>The document was withdrawn.</u>

S5-240268 Replaces	Rel-17 CR TS 32.423 Add missing trace record content for N28 in PCF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u> Replaced by S5-240994
S5-240994 Replaces S5-240268	Rel-17 CR TS 32.423 Add missing trace record content for N28 in PCF	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
		<u>The document was withdrawn.</u>
S5-240269 Replaces	Rel-18 CR TS 32.423 Add missing trace record content for N28 in PCF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was revised.</u> Replaced by S5-240995
S5-240995 Replaces S5-240269	Rel-18 CR TS 32.423 Add missing trace record content for N28 in PCF	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
		<u>The document was not pursued.</u>
S5-240270 Replaces	Rel-16 CR TS 28.623 Add missing interface and Trigger events for N28 in PCF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u>
S5-240996	Rel-16 CR TS 28.623 Add missing interface and Trigger events for N28 in PCF	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
		<u>The document was withdrawn.</u>
S5-240271 Replaces	Rel-17 CR TS 28.623 Add missing interface and Trigger events for N28 in PCF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u>
S5-240997	Rel-17 CR TS 28.623 Add missing interface and Trigger events for N28 in PCF	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
		<u>The document was withdrawn.</u>
S5-240272 Replaces	Rel-18 CR TS 28.623 Add missing interface and Trigger events for N28 in PCF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was revised.</u> Replaced by S5-240998
S5-240998 Replaces S5-240272	Rel-18 CR TS 28.623 Add missing interface and Trigger events for N28 in PCF	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
		<u>The document was not pursued.</u>

S5-240273 Replaces	Rel-15 CR TS 32.421 Add missing requirement for N40 in SMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u>
S5-240274 Replaces	Rel-16 CR TS 32.421 Add missing requirement for N40 in SMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u>
S5-240275 Replaces	Rel-17 CR TS 32.421 Add missing requirement for N40 in SMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u> Replaced by S5-240988
S5-240276 Replaces	Rel-18 CR TS 32.421 Add missing requirement for N40 in SMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was merged.</u> Replaced by S5-240989
S5-240277 Replaces	Rel-15 CR TS 32.422 Add missing trace measurement and control configuration for N40 in SMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u> Replaced by
S5-240278 Replaces	Rel-16 CR TS 32.422 Add missing trace measurement and control configuration for N40 in SMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u>
S5-240279 Replaces	Rel-17 CR TS 32.422 Add missing trace measurement and control configuration for N40 in SMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u>
S5-240280 Replaces	Rel-18 CR TS 32.422 Add missing trace measurement and control configuration for N40 in SMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was merged.</u> Replaced by S5-240992
S5-240281 Replaces	Rel-15 CR TS 32.423 Add missing trace record content for N40 in SMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u> Replaced by
S5-240282 Replaces	Rel-16 CR TS 32.423 Add missing trace record content for N40 in SMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u>

S5-240283 Replaces	Rel-17 CR TS 32.423 Add missing trace record content for N40 in SMF	<i>Nokia, Nokia Shangai Bell</i>
		<u>The document was not pursued.</u>
S5-240284 Replaces	Rel-18 CR TS 32.423 Add missing trace record content for N40 in SMF	<i>Nokia, Nokia Shangai Bell</i>
		<u>The document was merged.</u> Replaced by S5-240994
S5-240285 Replaces	Rel-16 CR TS 28.623 Add missing interface and Trigger events for N40 in SMF	<i>Nokia, Nokia Shangai Bell</i>
		<u>The document was not pursued.</u>
S5-240286 Replaces	Rel-17 CR TS 28.623 Add missing interface and Trigger events for N40 in SMF	<i>Nokia, Nokia Shangai Bell</i>
		<u>The document was not pursued.</u>
S5-240287 Replaces	Rel-18 CR TS 28.623 Add missing interfaces and Trigger events for N41 and N42 in AMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was merged.</u> Replaced by S5-240998
S5-240288 Replaces	Rel-16 CR TS 32.421 Add missing requirement for N41 and N42 in AMF	<i>Nokia, Nokia Shangai Bell</i>
		<u>The document was merged.</u> Replaced by S5-240987
S5-240289 Replaces	Rel-17 CR TS 32.421 Add missing requirement for N41 and N42 in AMF	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u>
S5-240290 Replaces	Rel-18 CR TS 32.421 Add missing requirement for N41 and N42 in AMF	<i>Nokia, Nokia Shangai Bell</i>
		<u>The document was merged.</u> Replaced by S5-240989
S5-240291 Replaces	Rel-16 CR TS 32.422 Add missing trace measurement and control configuration for N41 and N42 interfaces in AMF	<i>Nokia, Nokia Shangai Bell</i>
		<u>The document was not pursued.</u>

S5-240292	Rel-17 CR TS 32.422 Add missing trace measurement and control configuration for N41 and N42 interfaces in AMF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was not pursued.</u>
S5-240293	Rel-18 CR TS 32.422 Add missing trace measurement and control configuration for N41 and N42 interfaces in AMF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was merged.</u>
S5-240294	Rel-16 CR TS 32.423 Add missing trace record content for N41 and N42 in AMF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		Replaced by S5-240992
S5-240295	Rel-17 CR TS 32.423 Add missing trace record content for N41 and N42 in AMF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was not pursued.</u>
S5-240296	Rel-18 CR TS 32.423 Add missing trace record content for N41 and N42 in AMF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was not pursued.</u>
S5-240297	Rel-16 CR TS 28.623 Add missing interfaces and Trigger events for N41_42 in AMF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was merged.</u>
S5-240298	Rel-17 CR TS 28.623 Add missing interfaces and Trigger events for N41_42 in AMF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		Replaced by S5-240994
S5-240299	Rel-18 CR TS 28.623 Add missing interfaces and Trigger events for N41_42 in AMF	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was not pursued.</u>
S5-240505	Rel-16 CR TS32.422 Fix inconsistent message in Non-3GPP access scenarios	<i>ZTE Corporation</i>
Replaces		Replaced by S5-240996
		<u>The document was not pursued.</u>
		Replaced by S5-240997
		<u>The document was merged.</u>
		Replaced by S5-240998
		<u>The document was merged.</u>
		Replaced by S5-240983

S5-240506	Rel-17 CR TS32.422 Fix inconsistent message in Non-3GPP access scenarios	ZTE Corporation
Replaces		
		<u>The document was merged.</u>
		Replaced by S5-240984
S5-240507	Rel-18 CR TS32.422 Fix inconsistent message in Non-3GPP access scenarios	ZTE Corporation
Replaces		
		<u>The document was merged.</u>
		Replaced by S5-240985
S5-240529	Correction of interface definition for SMF	CATT
Replaces		
		<u>The document was agreed.</u>
		Replaced by
S5-240530	Correction of interface definition for SMF	CATT
Replaces		
		<u>The document was agreed.</u>
		Replaced by
S5-240531	Correction of interface definition for SMF	CATT
Replaces		
		<u>The document was agreed.</u>
		Replaced by
S5-240532	Correction of interface definition for SMF	CATT
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240999
S5-240999	Correction of interface definition for SMF	CATT
Replaces S5-240532		
		<u>The document was agreed.</u>
S5-240533	Update NG-RAN activation mechanisms for management based MDT data collections	CATT
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-241000
S5-241000	Update NG-RAN activation mechanisms for management based MDT data collections	CATT
Replaces S5-240533		
		<u>The document was agreed.</u>

S5-240534	Update NG-RAN activation mechanisms for management based MDT data collections	<i>CATT</i>
Replaces		
		<u>The document was revised.</u> Replaced by S5-241001
S5-241001	Update NG-RAN activation mechanisms for management based MDT data collections	<i>CATT</i>
Replaces S5-240534		
		<u>The document was agreed.</u>
S5-240562	Rel-17 32.423 Correct trace record header definition	<i>Ericsson Inc.</i>
Replaces		
		<u>The document was agreed.</u> Replaced by
S5-240563	Rel-18 32.423 Correct trace record header definition	<i>Ericsson Inc.</i>
Replaces		
		<u>The document was agreed.</u> Replaced by
S5-241051	LS on Trace functionality extension in N3IWF for non-3GPP access scenarios	<i>Nokia</i>
		<u>The document was approved.</u>
6.3.14	Other	
S5-240070	Fix DHCPv4 option 124 format	<i>Ericsson</i>
Replaces		
		<u>The document was agreed.</u> Replaced by
S5-240071	Discussion paper on issue of TS 28.526 reference to incorrect ETSI NFV-IFA013 version	<i>Ericsson Telecomunicazioni Spa</i>
Replaces		
		<u>The document was revised.</u> Replaced by S5-241039
S5-241039	Discussion paper on issue of TS 28.526 reference to incorrect ETSI NFV-IFA013 version	<i>Ericsson, Huawei</i>
Replaces S5-240071		
		<u>The document was endorsed.</u>
S5-240077	TS28.541 Rel16 correction to QFPacketDelayThresholdsType	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was agreed.</u> Replaced by

S5-240078 Replaces	TS28.541 Rel17 correction to QFPacketDelayThresholdsType	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u> Replaced by
S5-240079 Replaces	TS28.541 Rel18 correction to QFPacketDelayThresholdsType	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u> Replaced by
S5-240080 Replaces	TS28.541 Rel16 corrections to ManagedFunction containment implementation in OpenAPI SS	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u> Replaced by
S5-240081 Replaces	TS28.541 Rel17 corrections to ManagedFunction containment implementation in OpenAPI SS	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u> Replaced by
S5-240082 Replaces	TS28.541 Rel18 corrections to ManagedFunction containment implementation in OpenAPI SS	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u> Replaced by
S5-240156 Replaces	Rel-16 CR 32.158 Clarify filtering expression for selecting single managed objects	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was revised.</u> Replaced by S5-241002
S5-241002 Replaces S5-240156	Rel-16 CR 32.158 Clarify filtering expression for selecting single managed objects	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u>
S5-240157 Replaces	Rel-17 CR 32.158 Clarify filtering expression for selecting single managed objects	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was revised.</u> Replaced by S5-241003
S5-241003 Replaces S5-240157	Rel-17 CR 32.158 Clarify filtering expression for selecting single managed objects	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u>

S5-240158 Replaces	Rel-16 CR 32.158 Clarify the behavior when partitioning a data model	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was revised.</u> Replaced by S5-241004
S5-241004 Replaces S5-240158	Rel-16 CR 32.158 Clarify the behavior when partitioning a data model	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u>
S5-240159 Replaces	Rel-17 CR 32.158 Clarify the behavior when partitioning a data model	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was revised.</u> Replaced by S5-241005
S5-241005 Replaces S5-240159	Rel-17 CR 32.158 Clarify the behavior when partitioning a data model	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u>
S5-240161 Replaces	Rel-16 CR 32.158 Add missing JSON schema fragment for the 3GPP JSON Patch document	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u> Replaced by
S5-240162 Replaces	Rel-17 CR 32.158 Add missing JSON schema fragment for the 3GPP JSON Patch document	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u> Replaced by
S5-240393 Replaces	Rel16 TS 32.158 Correction of the thresholdLevels attribute name	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u> Replaced by
S5-240404 Replaces	Rel17 CR TS 32.158 Correction of the thresholdLevels attribute name	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u> Replaced by
S5-240406 Replaces	Rel17 TS 32.158 Correction of resource representation for JSON Patch	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was revised.</u> Replaced by S5-241036
S5-241036 Replaces S5-240406	Rel17 TS 32.158 Correction of resource representation for JSON Patch	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u>

<p>S5-240410 Replaces</p>	<p>Rel16 TS 32.158 Correction of resource representation for JSON Patch</p>	<p><i>Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was revised.</u> Replaced by S5-241035</p>
<p>S5-241035 Replaces S5-240410</p>	<p>Rel16 TS 32.158 Correction of resource representation for JSON Patch</p>	<p><i>Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was agreed.</u></p>
<p>S5-240489 Replaces</p>	<p>Correction of inheritance relationships figure name for NTN management support</p>	<p><i>Nanjing Ericsson Panda Com Ltd</i></p>
		<p><u>The document was withdrawn.</u> Replaced by</p>
<p>S5-240495 Replaces</p>	<p>Correction of inheritance relationships figure name for NTN management support</p>	<p><i>Nanjing Ericsson Panda Com Ltd</i></p>
		<p><u>The document was revised.</u> Replaced by S5-241006</p>
<p>S5-241006 Replaces S5-240495</p>	<p>Correction of inheritance relationships figure name for NTN management support</p>	<p><i>Nanjing Ericsson Panda Com Ltd</i></p>
		<p><u>The document was agreed.</u> <i>CATT</i></p>
<p>S5-240528 Replaces</p>	<p>Update definitions of SatelliteCoverageInfo</p>	
		<p><u>The document was merged.</u> Replaced by S5-240977</p>
<p>S5-240657 Replaces</p>	<p>Rel-17 CR TS 28.532 Correction of attribute description</p>	<p><i>nn</i></p>
		<p><u>The document was withdrawn.</u> Replaced by</p>
<p>S5-240659 Replaces</p>	<p>Rel-18 CR TS 28.532 Correction of attribute description</p>	<p><i>nn</i></p>
		<p><u>The document was withdrawn.</u> Replaced by</p>
<p>S5-240665 Replaces</p>	<p>Rel-17 CR TS 28.532 Correction of attribute description</p>	<p><i>Ericsson-LG Co., LTD</i></p>
		<p><u>The document was agreed.</u> Replaced by</p>

S5-240666
Replaces

Rel-18 CR TS 28.532 Correction of attribute description

Ericsson-LG Co., LTD

The document was agreed.

Replaced by

Ericsson

S5-240675
Replaces

R18 CR 28307 Rapporteurs clean up for Rel-18 upgrade

The document was agreed.

Replaced by

Ericsson

S5-240678
Replaces

R18 CR 28.308 Rapporteurs clean up for Rel-18

The document was agreed.

Replaced by

Ericsson

S5-240679
Replaces

R18 CR 28.309 Rapporteurs clean up for upgrade to Rel-18

The document was revised.

Replaced by S5-240797

Ericsson

S5-240797
Replaces
S5-240679

R18 CR 28.309 Rapporteurs clean up for upgrade to Rel-18

The document was agreed.

Ericsson

S5-240680
Replaces

R18 CR 28.404 Rapporteur's upgrade to Rel-18

The document was agreed.

Replaced by

Ericsson

S5-240681
Replaces

R18 CR 28.405 Rapporteur's clean up

The document was agreed.

Replaced by

Ericsson

S5-240682
Replaces

R18 CR 28.652 Rapporteur's cean up for upgrade to Rel-18.

The document was revised.

Replaced by S5-241008

Ericsson

S5-241008
Replaces
S5-240682

R18 CR 28.652 Rapporteur's clean up for upgrade to Rel-18.

The document was agreed.

Ericsson

S5-240683
Replaces

R18 CR 28.653 "Rel-18 CR ab.cde Remove SS-IS version link.and Rapporteur's clean up

The document was agreed.

Replaced by

S5-240684
Replaces

R18 CR 28.662 Rapporteur's clean up for Rel-18 upgrade

Ericsson

The document was agreed.

Replaced by

S5-240685

R18 Cr 28.663 "Rel-18 CR ab.cde Remove SS-IS version link" and Rapporteur's clean up

Ericsson

Replaces

The document was agreed.

Replaced by

6.4

OAM&P Rel-18 Work Items - Intelligence and Automation

6.4.1

Self-Configuration of RAN NEs

6.4.1.1

RANSC_WoP#1

S5-240251

pCR TS 28.317 Add concept, use case and requirements for network configuration data handling

China Mobile, Huawei

Replaces

The document was revised.

Replaced by S5-240940

S5-240940

pCR TS 28.317 Add concept, use case and requirements for network configuration data handling

China Mobile, Huawei

Replaces
S5-240251

The document was approved.

S5-240252

pCR TS 28.317 Rapporteur clean up

China Mobile, Huawei

Replaces

The document was revised.

Replaced by S5-240941

S5-240941

pCR TS 28.317 Rapporteur clean up

China Mobile, Huawei

Replaces
S5-240252

The document was approved.

S5-240253

Presentation of TS 28.317 to SA for information and approval

China Mobile, Huawei

Replaces

The document was approved.

Replaced by

S5-240255	Rel-18 CR TS28.313 Update concept ,requirements and procedure for Self-configuration to refer to TS 28.317	<i>Huawei, China Mobile</i>
Replaces		<u>The document was agreed.</u> Replaced by
6.4.1.2	RANSC_WoP#2	
6.4.1.3	RANSC_WoP#3	
S5-240030	TS28.317 Rel18 correction to Schema definition Issues for SubNetwork of OpenAPI SS	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was approved.</u> Replaced by
S5-240254	pCR TS 28.317 Add reference of stage3 definition for MnS component type A	<i>Huawei,China Mobile</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240942
S5-240942	pCR TS 28.317 Add reference of stage3 definition for MnS component type A	<i>Huawei,China Mobile</i>
Replaces S5-240254		<u>The document was approved.</u> <i>Huawei,China Mobile</i>
S5-240389	pCR TS 28.317 normative yaml code in 3gpp forge	<i>Huawei,China Mobile</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240943
S5-240943	pCR TS 28.317 normative yaml code in 3gpp forge	<i>Huawei,China Mobile</i>
Replaces S5-240389		<u>The document was approved.</u>
6.4.1.4	Draft TS email approval	
S5-241063	Draft TS 28.317	<i>China Mobile Com. Corporation</i>
		<u>The document was email approval.</u>
6.4.2	Management Data Analytics phase 2	

6.4.2.1

eMDAS_Ph2_WoP#1

[S5-240628](#)
Replaces

Revised WID Management Data Analytics phase 2

NEC, Intel

The document was agreed.

Replaced by

[S5-240641](#)

CR Rel-18 eMDAS_Ph2 – TS28.104 Further enhancements into the Management Data Analytics (Phase 2)

NEC, Intel

Replaces

The document was revised.

Replaced by S5-240799

[S5-240799](#)

CR Rel-18 eMDAS_Ph2 – TS28.104 Further enhancements into the Management Data Analytics (Phase 2)

NEC, Intel

Replaces
S5-240641

The document was email approval.

[S5-241074](#)

Draft CR eMDAS_Ph2 – TS28.104 Further enhancements into the Management Data Analytics (Phase 2)

NEC, Intel

The document was email approval.

6.4.2.2

eMDAS_Ph2_WoP#2

[S5-240397](#)
Replaces

Rel-18 draftCR TS 28.104 corrections for predictions of management

Huawei

The document was approved.

Replaced by

6.4.2.3

eMDAS_Ph2_WoP#3

6.4.2.4

eMDAS_Ph2_WoP#4

6.4.2.5

eMDAS_Ph2_WoP#5

6.4.2.6

eMDAS_Ph2_WoP#6

[S5-240231](#)

Rel-18 CR 28.104 correction on configuration data used as enabling data

Huawei

Replaces

The document was revised.

Replaced by S5-241007

[S5-241007](#)

Rel-18 CR 28.104 correction on configuration data used as enabling data

Huawei

Replaces
S5-240231

The document was agreed.

[S5-240232](#)

Rel-18 CR 28.104 correction on MDA request and reporting workflow

Huawei

Replaces

The document was revised.

Replaced by S5-240788

[S5-240788](#)

Rel-18 CR 28.104 correction on MDA request and reporting workflow

Huawei

Replaces
S5-240232

The document was agreed.

[S5-240383](#)

Add solution for MDA assisted service failure recovery

Huawei

Replaces

The document was revised.

Replaced by S5-240800

[S5-240800](#)

Add solution for MDA assisted service failure recovery

Huawei

Replaces
S5-240383

The document was agreed.

6.4.2.7

eMDAS_Ph2_WoP#7

[S5-240240](#)

Rel-18 InputToDraftCR 28.104 add requirement for historical data used in resource analytics

Huawei Technologies France

Replaces

The document was revised.

Replaced by S5-240801

[S5-240801](#)

Rel-18 InputToDraftCR 28.104 add requirement for historical data used in resource analytics

Huawei Technologies France

Replaces
S5-240240

The document was approved.

S5-240241	Rel-18 InputToDraftCR 28.104 Update control plane congestion analysis description	<i>Huawei Technologies France</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240802
S5-240802	Rel-18 InputToDraftCR 28.104 Update control plane congestion analysis description	<i>Huawei Technologies France</i>
Replaces S5-240241		
		<u>The document was approved.</u>
6.4.3	AI/ML management	
S5-240886	report from breakout session on AIML_MGT	<i>Intel</i>
		<u>The document was noted.</u>
6.4.3.1	AIML_MGT_WoP#1	
S5-240060	Add AIML support for legacy features	<i>Ericsson France S.A.S</i>
Replaces	Rel-18 Add AIML support for legacy features.	
		<u>The document was revised.</u>
		Replaced by S5-240842
S5-240842	Add AIML support for legacy features	<i>Ericsson France S.A.S, , Nokia, Intel, NEC, Huawei, ZTE</i>
Replaces S5-240060		
		<u>The document was agreed.</u>
S5-240105	Input to DraftCR 28.105 Correction of References and definitions	<i>Ericsson France S.A.S</i>
Replaces	Correction of References and definitions	
		<u>The document was revised.</u>
		Replaced by S5-240814
S5-240814	Input to DraftCR 28.105 Correction of References and definitions	<i>Ericsson France S.A.S</i>
Replaces S5-240105		
		<u>The document was approved.</u>
S5-240110	Rel-18 CR TS 28.622 Update Status of ProcessMonitor	<i>ZTE Corporation</i>
Replaces		
		<u>The document was not pursued.</u>
		Replaced by
S5-240111	Rel-18 Input to DraftCR 28.105 Corrections of Issues for MLTrainingProcess	<i>ZTE Corporation</i>
Replaces		
		<u>The document was merged.</u>
		Replaced by S5-240817

<p>S5-240112 Replaces</p>	<p>Rel-18 Input to DraftCR 28.105 Corrections of Issues for Request IOCs</p>	<p><i>ZTE Corporation</i></p>
		<p><u>The document was revised.</u> Replaced by S5-240817</p>
<p>S5-240817 Replaces S5-240112</p>	<p>Rel-18 Input to DraftCR 28.105 Corrections of Issues for Request IOCs</p>	<p><i>ZTE Corporation</i></p>
		<p><u>The document was approved.</u></p>
<p>S5-240171 Replaces</p>	<p>Rel-18 Input to draft CR TS 28.105 AIML Inference Output</p>	<p><i>Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was revised.</u> Replaced by S5-240805</p>
<p>S5-240805 Replaces S5-240171</p>	<p>Rel-18 Input to draft CR TS 28.105 AIML Inference Output</p>	<p><i>Nokia, Nokia Shanghai Bell, Ericsson, INTEL, NEC, Ericsson France</i></p>
		<p><u>The document was approved.</u></p>
<p>S5-240172 Replaces</p>	<p>Rel-18 Input to draft CR TS 28.105 ML Inference emulation Report</p>	<p><i>Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was revised.</u> Replaced by S5-240811</p>
<p>S5-240811 Replaces S5-240172</p>	<p>Rel-18 Input to draft CR TS 28.105 ML Inference emulation Report</p>	<p><i>Nokia, Nokia Shanghai Bell, Ericsson, Intel, Ericsson France</i></p>
		<p><u>The document was approved.</u></p>
<p>S5-240173 Replaces</p>	<p>Rel-18 Input to draft CR TS 28.105 AIML Inference Conditions</p>	<p><i>Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was noted.</u> Replaced by</p>
<p>S5-240174 Replaces</p>	<p>Rel-18 Input to draft CR TS 28.105 Configuration of Load balancing Functions</p>	<p><i>Nokia, Nokia Shanghai Bell</i></p>
<p>Ericsson objects</p>		<p><u>The document was noted.</u> Replaced by</p>
<p>S5-240175 Replaces</p>	<p>Rel-18 Input to draft CR TS 28.105 Available capabilities for MLUpdate</p>	<p><i>Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was revised.</u> Replaced by S5-240812</p>

S5-240812	Rel-18 Input to draft CR TS 28.105 Available capabilities for MLUpdate	<i>Nokia, Nokia Shanghai Bell, Huawei</i>
Replaces S5-240175		<u>The document was approved.</u>
S5-240176	Rel-18 Input to draft CR TS 28.105 Information on Learned capabilities	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
S5-240813	Rel-18 Input to draft CR TS 28.105 Information on Learned capabilities	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240176		Replaced by S5-240813
S5-240177	Rel-18 Input to draft CR TS 28.105 ML Inference emulation Requirements	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was noted.</u>
S5-240810	Rel-18 Input to draft CR TS 28.105 ML Inference emulation Requirements	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240177		<u>The document was revised.</u>
S5-240178	Rel-18 Input to draft CR TS 28.105 AIML Inference execution	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		Replaced by S5-240810
S5-240185	Input to DraftCR 28.105 Correct Inference NRM Definitions.	<i>Ericsson France S.A.S</i>
Replaces	Input to DraftCR 28.105 Correct Inference NRM Definitions.	<u>The document was approved.</u>
S5-240191	Enhancements for AI-ML management	<i>Intel, NEC, Nokia, Nokia Shanghai Bell, HUAWEI, CATT, Ericsson, Deutsche Telekom, TELUS, China Mobile, NTT DOCOMO, AT&T</i>
Replaces		<u>The document was noted.</u>
		Replaced by
		<u>The document was merged.</u>
		Replaced by S5-240917
		<u>The document was revised.</u>
		Replaced by S5-240803

S5-240803

Enhancements for AI-ML management

*Intel, NEC, Nokia, Nokia
Shanghai Bell, HUAWEI,
CATT, Ericsson, Deutsche
Telekom, TELUS, China
Mobile, NTT DOCOMO,
AT&T*

Replaces
S5-240191

The document was email approval.

S5-240193

Input to DraftCR 28.105 Add NRMs for actions executed according to the inference report

Intel, NEC

Replaces

The document was noted.

Replaced by

S5-240194

Input to DraftCR 28.105 Add relations for NRMs related to AI-ML inference functions

Intel, NEC, CATT

Replaces

The document was revised.

Replaced by S5-240917

S5-240917

Input to DraftCR 28.105 Add relations for NRMs related to AI-ML inference functions

*Intel Ericsson, NEC, CATT,
HUAWEI, ZTE ,Nokia,
Ericsson France*

Replaces
S5-240194

The document was approved.

S5-240196

CR Rel-18 28.541 Add relations for NRMs related to AI-ML inference functions

Intel, NEC, CATT

Replaces

The document was withdrawn.

Replaced by

S5-240198

Add relations for NRMs related to AI/ML inference functions

Intel, NEC, CATT

Replaces

The document was merged.

Replaced by S5-240842

S5-240200

Add relations for NRMs related to AI/ML inference capabilities

Intel, NEC, CATT

Replaces

The document was revised.

Replaced by S5-240918

S5-240918

Add relations for NRMs related to AI/ML inference capabilities

*Intel, NEC, CATT, Ericsson,
HUAWEI, ZTE, Nokia*

Replaces
S5-240200

The document was approved.

S5-240377 Replaces	Rel-18 InputToDraftCR TS 28.105 Add new term for ML joint training	<i>China Unicom</i>
		<u>The document was revised.</u> Replaced by S5-240818
S5-240818 Replaces S5-240377	Rel-18 InputToDraftCR TS 28.105 Add new term for ML joint training	<i>China Unicom</i>
		<u>The document was approved.</u>
S5-240390 Replaces	Rel-18 InputToDraftCR TS 28.105 Corrections for term of ML re-training	<i>China Unicom</i>
		<u>The document was revised.</u> Replaced by S5-240819
S5-240819 Replaces S5-240390	Rel-18 InputToDraftCR TS 28.105 Corrections for term of ML re-training	<i>China Unicom, Ericsson</i>
		<u>The document was approved.</u>
S5-240392 Replaces	Rel-18 InputToDraftCR TS 28.105 Corrections for descriptions of performance indicator selection	<i>China Unicom</i>
		<u>The document was revised.</u> Replaced by S5-240820
S5-240820 Replaces S5-240392	Rel-18 InputToDraftCR TS 28.105 Corrections for descriptions of performance indicator selection	<i>China Unicom</i>
		<u>The document was approved.</u>
S5-240398 Replaces	Rel-18 draftCR TS 28.105 Add supported ML capability for RAN intelligence functions	<i>Huawei</i>
		<u>The document was merged.</u> Replaced by S5-240917
S5-240399 Replaces	Rel-18 CR TS 28.541 Add supported ML capability for RAN intelligence functions	<i>Huawei</i>
		<u>The document was merged.</u> Replaced by S5-240842
S5-240400 Replaces	Rel-18 draftCR TS 28.105 Add description of deploying a group of joint training models for ML entity deployment phase	<i>Huawei</i>
		<u>The document was revised.</u> Replaced by S5-240808

S5-240808	Rel-18 draftCR TS 28.105 Add description of deploying a group of joint training models for ML entity deployment phase	<i>Huawei</i>
Replaces S5-240400		<u>The document was approved.</u>
S5-240401	Rel-18 draftCR TS 28.105 Add NRMs of deploying a group of joint training models. for ML entity deployment phase	<i>Huawei</i>
Replaces		<u>The document was revised.</u>
S5-240809	Rel-18 draftCR TS 28.105 Add NRMs of deploying a group of joint training models. for ML entity deployment phase	<i>Huawei</i>
Replaces S5-240401		Replaced by S5-240809
S5-240402	Rel-18 draftCR TS 28.105 Corrections for AIML training termination conditions	<i>Huawei</i>
Replaces		<u>The document was noted.</u>
S5-240821	Rel-18 draftCR TS 28.105 Corrections for AIML training termination conditions	<i>Huawei</i>
		<u>The document was noted.</u>
S5-240487	Rel-18 Input to draft CR TS 28.105 TrainingDataEffectiveness	<i>China Mobile E-Commerce Co.</i>
Replaces		<u>The document was withdrawn.</u>
S5-240490	Rel-18 Input to draft CR TS 28.105 TrainingDataEffectiveness	<i>China Mobile E-Commerce Co.,Nokia</i>
Replaces		<u>The document was withdrawn.</u>
S5-240955	Rel-18 Input to draft CR TS 28.105 TrainingDataEffectiveness	<i>China Mobile E-Commerce Co.,Nokia</i>
Replaces S5-240490		<u>The document was revised.</u>
		Replaced by S5-240955
S5-240526	Rel-18 Input to DraftCR 28.105 Enhancement on attributes description and definition	<i>CATT</i>
Replaces		<u>The document was noted.</u>
		<u>The document was revised.</u>
		Replaced by S5-240822

S5-240822	Rel-18 Input to DraftCR 28.105 Enhancement on attributes description and definition	<i>CATT</i>
Replaces S5-240526		<u>The document was approved.</u>
S5-240527	Rel-18 Input to DraftCR 28.105 Update NRMs stage3	<i>CATT,Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
S5-240831	Rel-18 Input to DraftCR 28.105 Update NRMs stage3	<i>CATT,Nokia, Nokia Shanghai Bell, Ericsson France</i>
Replaces S5-240527		<u>The document was email approval.</u>
S5-240547	Input to DraftCR 28.105 Improvements and corrections to error handling	<i>Ericsson Limited</i>
Replaces		<u>The document was revised.</u>
S5-240823	Input to DraftCR 28.105 Improvements and corrections to error handling	<i>Ericsson Limited</i>
Replaces S5-240547		<u>Replaced by S5-240823</u>
S5-240548	Input to DraftCR 28.105 Cleanup of Training Phase	<i>Ericsson Limited</i>
Replaces		<u>The document was approved.</u>
S5-240824	Input to DraftCR 28.105 Cleanup of Training Phase	<i>Ericsson Limited</i>
Replaces S5-240548		<u>The document was revised.</u>
S5-240552	Input to DraftCR 28.105 Remove Training Data Effectiveness	<i>Ericsson Limited</i>
Replaces		<u>Replaced by S5-240824</u>
S5-240556	Rel-18 Input to Draft CR 28.105 Add descriptions on data resources related to ML training	<i>China Mobile Com. Corporation</i>
Replaces		<u>The document was approved.</u>
		<u>The document was noted.</u>
		<u>Replaced by</u>
		<u>The document was noted.</u>
		<u>Replaced by</u>

S5-240564 Replaces	Input to DraftCR 28.105 Correction of NRM for ML training Input to DraftCR 28.105 Correction of NRM for ML training	<i>Ericsson France S.A.S</i>
		<u>The document was revised.</u>
		Replaced by S5-240825
		<i>Ericsson France S.A.S</i>
S5-240825 Replaces S5-240564	Input to DraftCR 28.105 Correction of NRM for ML training	
		<u>The document was approved.</u>
S5-240605 Replaces	Rel-18 Input to Draft CR 28.105 Modifications on ML entity validation performance reporting	<i>China Mobile Com. Corporation</i>
		<u>The document was revised.</u>
		Replaced by S5-240826
		<i>China Mobile Com. Corporation</i>
S5-240826 Replaces S5-240605	Rel-18 Input to Draft CR 28.105 Modifications on ML entity validation performance reporting	
		<u>The document was noted.</u>
S5-240632 Replaces	Input to DraftCR 28.105 Correct IOC related references Input to DraftCR 28.105 Correct IOC related references	<i>Ericsson France S.A.S</i>
		<u>The document was revised.</u>
		Replaced by S5-240815
		<i>Ericsson France S.A.S</i>
S5-240815 Replaces S5-240632	Input to DraftCR 28.105 Correct IOC related references	
		<u>The document was approved.</u>
S5-240633 Replaces	pCR Corrections including editorials Draft CR TS28.105 Enhancements for AI-ML management	<i>NEC, Intel</i>
		<u>The document was revised.</u>
		Replaced by S5-240828
		<i>NEC, Intel</i>
S5-240828 Replaces S5-240633	pCR Corrections including editorials Draft CR TS28.105 Enhancements for AI-ML management	
		<u>The document was approved.</u>
S5-240636 Replaces	pCR Add missing management capabilities description to Draft CR TS28.105 Enhancements for AI-ML management	<i>NEC, Intel</i>
		<u>The document was revised.</u>
		Replaced by S5-240829

S5-240829	pCR Add missing management capabilities description to Draft CR TS28.105 Enhancements for AI-ML management	<i>NEC, Intel, Deutsche Telekom, Ericsson France</i>
Replaces S5-240636		<u>The document was approved.</u>
S5-240661	Input to DraftCR TS 28.105 Harmonize usage of ML model and entity	<i>Ericsson-LG Co., LTD</i>
Replaces		<u>The document was approved.</u>
S5-240664	Input to DraftCR TS 28.105 Improvement of ML Context description	<i>Ericsson-LG Co., LTD</i>
Replaces		<u>The document was revised.</u>
S5-240830	Input to DraftCR TS 28.105 Improvement of ML Context description	<i>Ericsson-LG Co., LTD</i>
Replaces S5-240664		Replaced by S5-240830
		<u>The document was approved.</u>
S5-240804	DraftCR TS 28.105 Rel-18 Enhancements for AI-ML management	<i>Intel</i>
		<u>The document was email approval.</u>
6.4.3.2	AIML_MGT_WoP#2	
S5-240551	Rel-18 Input to draft CR TS 28.105 Remove unused attributes from the attributes definition table	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-240827
S5-240827	Rel-18 Input to draft CR TS 28.105 Remove unused attributes from the attributes definition table	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240551		<u>The document was approved.</u>
S5-240621	Rel 18 Input to draft CR TS 28.105 AIML Inference History	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-240806
S5-240806	Rel 18 Input to draft CR TS 28.105 AIML Inference History	<i>Nokia, Nokia Shanghai Bell, Ericsson France S.A.S, NEC</i>
Replaces S5-240621		<u>The document was approved.</u>
6.5	OAM&P Rel-18 Work Items - Management Architecture and Mechanisms	

6.5.1 Service based management architecture

6.5.1.1 eSBMA_WoP#1

S5-240062 Replaces	Rel-18 CR 28.623 Specify notificationFilter Candidate for block approval.	<i>Ericsson Hungary Ltd</i>
		<u>The document was agreed.</u> Replaced by <i>Ericsson, Nokia</i>
S5-240188 Replaces S5-237044	Rel-18 CR 28.623 Remove-Update FM related parts	
		<u>The document was agreed.</u> Replaced by <i>Ericsson, Nokia</i>
S5-240243 Replaces S5-237045	Rel-18 CR 28.532 Remove-Update FM related parts	
		<u>The document was revised.</u> Replaced by S5-240832 <i>Ericsson, Nokia</i>
S5-240832 Replaces S5-240243	Rel-18 CR 28.532 Remove-Update FM related parts	
		<u>The document was agreed.</u>
S5-240247 Replaces	Rel-18 CR TS 28.533 Add example of CN domain management capabilities mapped with ZSM	<i>Huawei</i>
		<u>The document was not pursued.</u>
S5-240833	Rel-18 CR TS 28.533 Add example of CN domain management capabilities mapped with ZSM	<i>Huawei</i>
		<u>The document was withdrawn.</u>
S5-240256 Replaces	Rel-18 pCR 28.111 FM full updates	<i>Ericsson, Nokia</i>
		<u>The document was revised.</u> Replaced by S5-240973 <i>Ericsson, Nokia</i>
S5-240973 Replaces S5-240256	Rel-18 pCR 28.111 FM full updates	
		<u>The document was approved.</u>

S5-240301
Replaces

Presentation of Specification to TSG: TS 28.111, Version 1.1.0

Ericsson Hungary Ltd

The document was revised.

Replaced by S5-240834

S5-240834
Replaces
S5-240301

Presentation of Specification to TSG: TS 28.111, Version 2.0.0

Ericsson Hungary Ltd

The document was approved.

S5-240335
Replaces

Rel-18 CR TS 28.533 Update Annex F Usage of CRUD operations and NRM fragments to support management capabilities in SBMA

Huawei

The document was revised.

Replaced by S5-240835

S5-240835
Replaces
S5-240335

Rel-18 CR TS 28.533 Update Annex F Usage of CRUD operations and NRM fragments to support management capabilities in SBMA

Huawei

The document was agreed.

S5-241062

Draft TS 28.111

Ericsson Hungary Ltd

The document was email approval.

6.5.1.2

eSBMA_WoP#2

6.5.1.3

eSBMA_WoP3#

S5-240181
Replaces

Rel-18 CR 28.622 Remove FM related parts

*Nokia, Nokia Shanghai Bell,
Ericsson*

The document was revised.

Replaced by S5-240836

S5-240836
Replaces
S5-240181

Rel-18 CR 28.622 Remove FM related parts

*Nokia, Nokia Shanghai Bell,
Ericsson*

The document was agreed.

6.5.1.4

eSBMA_WoP#4

6.5.1.5	eSBMA_WoP#5	
6.5.1.6	eSBMA_WoP#6	
S5-240182	Rel-18 CR 28.622 Add new method for specifying the scope of subscriptions	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was agreed.</u>
		Replaced by
S5-240503	Rel-18 CR 28.623 Add new method for specifying the scope of subscriptions (OpenAPI definitions)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-240837
S5-240837	Rel-18 CR 28.623 Add new method for specifying the scope of subscriptions (OpenAPI definitions)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240503		<u>The document was agreed.</u>
S5-240504	Rel-18 CR 28.532 Clarify for each CM notification type the allowed targets of notification subscriptions	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-240838
S5-240838	Rel-18 CR 28.532 Clarify for each CM notification type the allowed targets of notification subscriptions	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240504		<u>The document was agreed.</u>
6.5.1.7	eSBMA_WoP#7	
S5-240180	Rel-18 CR 28.532 Add stage 3 definition of changeMOIs (REST SS)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-240839
S5-240839	Rel-18 CR 28.532 Add stage 3 definition of changeMOIs (REST SS)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240180		<u>The document was agreed.</u>
6.5.1.8	eSBMA_WoP#8	

S5-240040	Rel-18 CR TS 28.622 Add capability for advertising NRM properties Stage 2	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-238146		<u>The document was not pursued.</u> Replaced by
S5-240041	Rel-18 CR TS 28.623 Add capability for advertising NRM properties Stage 3	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-238147		<u>The document was not pursued.</u> Replaced by
S5-240042	Rel-18 CR TS 28.623 Add annex with example for advertising NRM properties	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240840
S5-240840	Rel-18 CR TS 28.623 Add annex with example for advertising NRM properties	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240042		<u>The document was agreed.</u>
S5-240163	Rel-18 CR 32.158 Add design pattern for partial success of PATCH	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240845
S5-240845	Rel-18 CR 32.158 Add design pattern for partial success of PATCH	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240163		<u>The document was not pursued.</u>
S5-240164	Rel-18 CR 32.158 Add design pattern for error responses	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was agreed.</u> Replaced by
S5-240165	Rel-18 CR 28.532 Add new HTTP error response format (REST SS)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was agreed.</u> Replaced by
S5-240166	Rel-18 pCR 32.161 Improve Jex	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240841

S5-240841	Rel-18 pCR 32.161 Improve Jex	<i>Nokia, Nokia Shanghai Bell, Ericsson</i>
Replaces S5-240166		<u>The document was approved.</u>
S5-240167	Rel-18 Presentation sheet for TS 32.161 Jex (information and approval)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was approved.</u>
S5-240168	Rel-18 CR 32.158 Add design pattern for conditional data node selection	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		Replaced by
S5-240169	Rel-18 CR 32.158 Replace XPath by Jex	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was agreed.</u>
S5-240170	Rel-18 CR 28.532 Add dataNodeSelector to getMOIAttributes (stage 2, REST SS)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		Replaced by
S5-240843	Rel-18 CR 28.532 Add dataNodeSelector to getMOIAttributes (stage 2, REST SS)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240170		<u>The document was revised.</u>
S5-240179	Rel-18 CR 28.532 Add dataNodeSelector to getMOIAttributes (NETCONF)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		Replaced by S5-240843
S5-240844	Rel-18 CR 28.532 Add dataNodeSelector to getMOIAttributes (NETCONF)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240179		<u>The document was agreed.</u>
S5-240248	Rel-18 CR 28.532 Add new HTTP error response format (OpenAPI)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-240844
		<u>The document was agreed.</u>
		<u>The document was agreed.</u>
		Replaced by

S5-240249	Rel-18 CR 28.532 Add dataNodeSelector to getMOIAttributes (OpenAPI)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was agreed.</u> Replaced by
S5-240250	Rel-18 CR 28.623 Change Filter data type from XPath 1.0 to Jex and new Error Response Code(OpenAPI)	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was agreed.</u> Replaced by
S5-240604	Rel-18 CR 32.158 Replace XPath by Jex	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was agreed.</u> Replaced by
S5-240654	Rel-18 Add Schema related operations for provisioning MnS (stage 2)	<i>Ericsson Inc.</i>
Replaces		<u>The document was not pursued.</u> Replaced by
S5-241077	Draft TS 32.161	<i>Nokia</i>
		<u>The document was email approval.</u>
6.5.1.9	Draft TS email approval	
6.5.3	Management of Trace/MDT phase 2	
6.5.3.1	5GMDT_Ph2_WoP#1	
S5-240025	Rel-18 CR TS32.422 User Consent for Trace Reporting	<i>Ericsson</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240846
S5-240846	Rel-18 CR TS32.422 User Consent for Trace Reporting	<i>Ericsson</i>
Replaces S5-240025		<u>The document was agreed.</u>

S5-240026
Replaces

Rel-18 CR TS28.541 User Consent for Trace Reporting

Ericsson

The document was revised.

Replaced by S5-240847

S5-240847
Replaces
S5-240026

Rel-18 CR TS28.541 User Consent for Trace Reporting

Ericsson

The document was not pursued.

6.5.3.2 **5GMDT_Ph2_WoP#2**

6.5.3.3 **5GMDT_Ph2_WoP#3**

6.5.3.4 **5GMDT_Ph2_WoP#4**

6.5.3.5 **5GMDT_Ph2_WoP#5**

6.5.4 **5G performance measurements and KPIs phase 3**

6.5.4.1 **PM_KPI_5G_Ph3_WoP#1**

6.5.4.2 **PM_KPI_5G_Ph3_WoP#2**

6.5.4.3 PM_KPI_5G_Ph3_WoP#3

6.5.4.4 PM_KPI_5G_Ph3_WoP#4

S5-240056

Replaces
S5-235909

New performance measurements for the UE assistance information

Apple

The document was withdrawn.

Replaced by

S5-240085

Replaces

pCR TS 28.558 Add per-UE measurement related to average packet loss for all gNB deployment scenario

China Telecom Corporation Ltd., Intel

The document was revised.

Replaced by S5-240867

S5-240867

Replaces
S5-240085

pCR TS 28.558 Add per-UE measurement related to average packet loss for all gNB deployment scenario

China Telecom Corporation Ltd., Intel

The document was approved.

S5-240086

Replaces

pCR TS 28.558 Add per-UE measurement related to average packet loss for split gNB deployment scenario

China Telecom Corporation Ltd., Intel

The document was revised.

Replaced by S5-240868

S5-240868

Replaces
S5-240086

pCR TS 28.558 Add per-UE measurement related to average packet loss for split gNB deployment scenario

China Telecom Corporation Ltd., Intel

The document was approved.

S5-240092

Replaces

pCR TS 28.558 Add per-UE measurement related to average packet delay

China Telecom Corporation Ltd., Intel

The document was merged.

Replaced by S5-240871

S5-240869

pCR TS 28.558 Add per-UE measurement related to average packet delay

China Telecom Corporation Ltd., Intel

The document was withdrawn.

S5-240093	pCR TS 28.558 Add per-UE measurement related to UE throughput	<i>China Telecom Corporation Ltd., Intel</i>
Replaces		
		<u>The document was revised.</u> Replaced by S5-240870
S5-240870	pCR TS 28.558 Add per-UE measurement related to UE throughput	<i>China Telecom Corporation Ltd., Intel</i>
Replaces S5-240093		
		<u>The document was approved.</u>
S5-240207	Enhance TraceJob for UE level measurements collection	<i>Intel, NEC</i>
Replaces		
		<u>The document was revised.</u> Replaced by S5-240875
S5-240875	Enhance TraceJob for UE level measurements collection	<i>Intel, NEC</i>
Replaces S5-240207		
		<u>The document was agreed.</u>
S5-240208	Enhance TraceJob for UE level measurements collection	<i>Intel</i>
Replaces		
		<u>The document was revised.</u> Replaced by S5-240876
S5-240876	Enhance TraceJob for UE level measurements collection	<i>Intel, AT&T</i>
Replaces S5-240208		
		<u>The document was agreed.</u>
S5-240209	Extend Trace for UE level measurements collection	<i>Intel, NEC</i>
Replaces		
		<u>The document was revised.</u> Replaced by S5-240877
S5-240877	Extend Trace for UE level measurements collection	<i>Intel, NEC, AT&T, Verizon</i>
Replaces S5-240209		
		<u>The document was agreed.</u>
S5-240210	CR Rel-18 32.423 Extend Trace for UE level measurements collection	<i>Intel</i>
Replaces		
		<u>The document was revised.</u> Replaced by S5-240878
S5-240878	CR Rel-18 32.423 Extend Trace for UE level measurements collection	<i>Intel, AT&T</i>
Replaces S5-240210		
		<u>The document was agreed.</u>

S5-240211	pCR TS 28.558 Add UE level measurement related to DL packet delay between NG-RAN and UE	<i>Intel, Verizon</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240871
S5-240871	pCR TS 28.558 Add UE level measurement related to DL packet delay between NG-RAN and UE	<i>Intel, Verizon, AT&T, China Telecom</i>
Replaces S5-240211		
		<u>The document was approved.</u>
S5-240212	pCR TS 28.558 Add UE level measurement related to UL packet delay between NG-RAN and UE	<i>Intel, Verizon</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240872
S5-240872	pCR TS 28.558 Add UE level measurement related to UL packet delay between NG-RAN and UE	<i>Intel, China Telecom, Verizon, AT&T</i>
Replaces S5-240212		
		<u>The document was approved.</u>
S5-240213	pCR TS 28.558 Add UE level measurement related to packet delay between PSA UPF and NG-RAN	<i>Intel, Verizon</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240873
S5-240873	pCR TS 28.558 Add UE level measurement related to packet delay between PSA UPF and NG-RAN	<i>Intel, Verizon, AT&T</i>
Replaces S5-240213		
		<u>The document was approved.</u>
S5-240214	pCR TS 28.558 Add scope	<i>Intel</i>
Replaces		
		<u>The document was approved.</u>
		Replaced by
S5-240215	pCR TS 28.558 Add overview	<i>Intel</i>
Replaces		
		<u>The document was approved.</u>
		Replaced by
S5-240216	pCR TS 28.558 Add mechanisms for UE level measurements collection and reporting	<i>Intel</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240866

S5-240866 Replaces S5-240216	pCR TS 28.558 Add mechanisms for UE level measurements collection and reporting	<i>Intel</i>
		<u>The document was approved.</u>
S5-240217 Replaces	Presentation of TS 28.558 to TSG SA for information and approval	<i>Intel</i>
	This should be 1.0.0	<u>The document was revised.</u> Replaced by S5-240874
S5-240874 Replaces S5-240217	Presentation of TS 28.558 to TSG SA for information and approval	<i>Intel</i>
		<u>The document was approved.</u>
S5-240300 Replaces	Rel-18 CR TS 28.550 Include signalling in PM Streaming schema	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u> Replaced by
S5-240558 Replaces S5-235454	Reply LS on improved KPIs involving end-to-end data volume transfer time analytics	<i>Intel</i>
		<u>The document was withdrawn.</u> Replaced by
S5-240624 Replaces	Rel-18 CR TS 28.552 Octet Measurements at gNB end	<i>Samsung</i>
		<u>The document was withdrawn.</u> Replaced by
S5-240626 Replaces	Rel-18 CR TS 28.554 Throughput KPI for Network Slice at gNB end	<i>Samsung</i>
		<u>The document was withdrawn.</u> Replaced by
S5-240631 Replaces	Rel-18 CR TS 28.552 Measurement Family update for NSOEU measurements	<i>Samsung</i>
		<u>The document was withdrawn.</u> Replaced by
S5-240647 Replaces	Rel-18 CR TS 28.552 Measurement Family update for NSOEU measurements	<i>Samsung Electronics France SA</i>
		<u>The document was revised.</u> Replaced by S5-240928

S5-240652	Rel-18 CR TS 28.554 Throughput KPI for Network Slice at gNB	<i>Samsung Electronics France SA</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240879
S5-240879	Rel-18 CR TS 28.554 Throughput KPI for Network Slice at gNB	<i>Samsung Electronics France SA, Deutsche Telekom</i>
Replaces S5-240652		
		<u>The document was agreed.</u>
S5-240653	Rel-18 CR TS 28.552 Octet Measurements at gNB end	<i>Samsung Electronics France SA</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240880
S5-240880	Rel-18 CR TS 28.552 Octet Measurements at gNB end	<i>Samsung Electronics France SA, Deutsche Telekom</i>
Replaces S5-240653		
		<u>The document was agreed.</u>
S5-240655	New performance measurements for Wake up signal utilization	<i>Apple</i>
Replaces	Currently there is no performance measure defined in TS 28.552 quantifying the utilization of the Wake up Signal (WUS) feature in both network and UE side. In this CR, it is proposed to define the number of RRCReconfiguration for successfully configuring	
		<u>The document was revised.</u>
		Replaced by S5-240881
S5-240881	New performance measurements for connected mode power saving mechanisms	<i>Apple, Deutsche Telekom</i>
Replaces S5-240655		
		<u>The document was agreed.</u>
S5-240656	New KPIs for the UE Wake up signal utilization	<i>Apple</i>
Replaces	Adding a new KPI showing the average number of Wake up Signal Enablement and utilization per connection. The term connection used here refers to having the UE context maintained on the NW side, i.e if the UE context is deleted or reset then a new connecti	
		<u>The document was revised.</u>
		Replaced by S5-240882
S5-240882	New KPIs for connected mode power saving mechanisms	<i>Apple</i>
Replaces S5-240656		
		<u>The document was not pursued.</u>
S5-240658	New performance measurements for the NR Dual Connectivity with NR SCG feature	<i>Apple</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240883

S5-240883
Replaces
S5-240658

New performance measurements for NR-NR Dual Connectivity

Apple

The document was agreed.

S5-240660
Replaces

New KPIs for the NR Dual Connectivity with NR SCG feature

Apple

Adding a new KPI showing the average number of the NR Dual Connectivity with NR SCG feature enablement and utilization per connection. The term connection used here refers to having the UE context maintained on the NW side, i.e if the UE context is delete

The document was revised.

Replaced by S5-241041

S5-241041
Replaces
S5-240660

New KPIs for NR-NR Dual Connectivity

Apple

The document was not pursued.

S5-240662

New performance measurements for the UE assistance information (UAI) with release preference feature

Apple

Replaces

Currently there is no performance measure defined in TS 28.552 quantifying the utilization of this feature in both network and UE side. In this CR, it is proposed to define the number of successfully applied RRCReconfiguration for configuring UE assistanc

The document was agreed.

Replaced by

S5-240663
Replaces

New KPIs for the UE assistance information release preference feature

Apple

Adding a new KPI showing the average number of UAI with release preference enablement and utilization per connection (The term connection used here refers to having the UE context maintained on the NW side, i.e if the UE context is deleted or reset then a

The document was not pursued.

Replaced by

S5-240667
Replaces

Rel-18 CR TS 28.554 KPI for End to End Reliability in DL and UL for URLLC NS

Samsung Electronics France
SA

The document was not pursued.

Replaced by

S5-241065

Draft TS 28.558

Intel

The document was email approval.

6.5.5 Additional NRM features phase 2

6.5.5.1 AdNRM_ph2_WoP#1

S5-240022
Replaces

Rel-18 CR TS28.405 Adding MCE ID

Ericsson

The document was revised.

Replaced by S5-240884

S5-240884
Replaces
S5-240022

Rel-18 CR TS28.405 Adding MCE ID

Ericsson

The document was agreed.

S5-240023
Replaces

Rel-18 CR TS28.541 Adding MCE ID

Ericsson

The document was revised.

Replaced by S5-240885

S5-240885
Replaces
S5-240023

Rel-18 CR TS28.541 Adding MCE ID

Ericsson

The document was agreed.

S5-240144
Replaces

Rel-18 CR TS28.623 Separate yaml file for control NRM fragment

*Huawei,Nokia,NEC,Telefónica,
Deutsche Telekom*

The document was agreed.

Replaced by

S5-240145
Replaces

Rel-18 CR TS 28.532 add resource-nrm for control NRM in provisioning MnS

*Huawei,Nokia,NEC,Telefónica
a*

The document was revised.

Replaced by S5-240426

S5-240146
Replaces

pCR TS 28.111 Separate YAML file for FM control NRM fragment

*Huawei,Nokia,NEC,Telefónica
a,Deutsche Telekom*

The document was approved.

Replaced by

S5-240147
Replaces

Rel-18 CR TS 28.541 Correct definition for FeasibilityCheckAndReservationJob

Huawei

The document was revised.

Replaced by S5-240887

S5-240887
Replaces
S5-240147

Rel-18 CR TS 28.541 Correct definition for FeasibilityCheckAndReservationJob

Huawei

The document was agreed.

S5-240148
Replaces

Rel-18 CR TS 28.541 Add missing name contain information for ExternalGNBCUCPFunction and ExtenralGNBDUFunction (satge2 and stage3 yaml)

Huawei

The document was revised.

Replaced by S5-240888

S5-240888	Rel-18 CR TS 28.541 Add missing name contain information for ExternalGNBCUCPFunction and ExtenralGNBDUFunction (satge2 and stage3 yamI)	<i>Huawei</i>
Replaces S5-240148		<u>The document was agreed.</u>
S5-240426	Rel-18 CR TS 28.532 add resource-nrm for control NRM in provisioning MnS	<i>Huawei,Nokia,NEC,Telefónica,Deutsche Telekom</i>
Replaces S5-240145		<u>The document was revised.</u>
S5-240567	Rel-18 CR TS 28.532 add resource-nrm for control NRM in provisioning MnS	<i>Huawei,Nokia,NEC,Telefónica,Deutsche Telekom</i>
Replaces S5-240426		Replaced by S5-240567
		<u>The document was agreed.</u>
		Replaced by
6.5.5.2	AdNRM_ph2_WoP#2	
S5-240150	Discussion Paper on RAN3 AI/ML for NG-RAN Energy Saving Energy Cost index	<i>Huawei, Ericsson</i>
Replaces		
		<u>The document was noted.</u>
S5-240889	Discussion Paper on RAN3 AI/ML for NG-RAN Energy Saving Energy Cost index	<i>Huawei, Ericsson</i>
		<u>The document was withdrawn.</u>
S5-240151	Add background and requirements for AI/ML energy saving in NG-RAN based on energy cost reporting	<i>Huawei, Ericsson</i>
Replaces		
		<u>The document was not pursued.</u>
S5-240890	Add background and requirements for energy saving in NG-RAN based on energy cost reporting	<i>Huawei, Ericsson</i>
		<u>The document was withdrawn.</u>
S5-240152	Introduce NRM definitions for AI/ML energy saving in NG-RAN based on energy cost reporting – Stage 2	<i>Huawei, Ericsson</i>
Replaces		
		<u>The document was not pursued.</u>
S5-240891	Introduce NRM definitions for energy saving in NG-RAN based on energy cost reporting – Stage 2	<i>Huawei, Ericsson</i>
		<u>The document was withdrawn.</u>

S5-240153	Introduce NRM definitions for AI/ML energy saving in NG-RAN based on energy cost reporting – Stage 3	<i>Huawei, Ericsson</i>
Replaces		<u>The document was not pursued.</u>
S5-240892	Introduce NRM definitions for energy saving in NG-RAN based on energy cost reporting – Stage 3	<i>Huawei, Ericsson</i>
		<u>The document was withdrawn.</u>
6.5.5.3	AdNRM_ph2_WoP#3	
S5-240099	Rel-18 CR TS 28.541 Slice Validity	<i>Samsung Electronics Co., Ltd</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-240893
S5-240893	Rel-18 CR TS 28.541 Slice Validity	<i>Samsung, Vodafone, Telefonica, Huawei</i>
Replaces		
S5-240099		<u>The document was agreed.</u>
S5-240422	Rel-18 CR TS 28.541 Duration of slice parameter addition	<i>Vodafone</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240894
S5-240894	Rel-18 CR TS 28.541 Duration of slice parameter addition	<i>Vodafone</i>
Replaces		
S5-240422		<u>The document was merged.</u>
		Replaced by S5-240893
6.5.5.4	AdNRM_ph2_WoP#4	
S5-240036	TS28.541 Rel18 NRM enhancements for NfInfo and PscfInfo	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was agreed.</u>
		Replaced by
6.5.5.5	AdNRM_ph2_WoP#5	
S5-240037	Rel-18 CR TS 28.541 Add support for GSMA attribute for slice QoS	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		
S5-238244		<u>The document was not pursued.</u>
		Replaced by S5-240895

S5-240895
Replaces
S5-240037

Rel-18 CR TS 28.541 Add support for GSMA attribute for slice QoS

Nokia, Nokia Shanghai Bell

The document was withdrawn.

S5-240038

Discussion paper to clarify network slice SLA requirement for inter-packet delay variation

*Nokia, Nokia Shanghai Bell,
KDDI, TELUS, Telefonica,
Samsung, Huawei, Deutsche
Telekom, Ericsson*

Replaces

The document was revised.

Replaced by S5-240896

S5-240896

Discussion paper to clarify network slice SLA requirement for inter-packet delay variation

*Nokia, Nokia Shanghai Bell,
KDDI, TELUS, Telefonica,
Samsung, Huawei, Deutsche
Telekom, Ericsson, ZTE,
Verizon*

Replaces
S5-240038

The document was endorsed.

S5-240039

Rel-18 CR TS 28.541 Enhancement to clarify Network slice SLA requirement for inter-packet delay variation

*Nokia, Nokia Shanghai Bell,
KDDI, TELUS, Telefonica,
Samsung, Huawei, Deutsche
Telekom, Ericsson*

Replaces

The document was revised.

Replaced by S5-240897

S5-240897

Rel-18 CR TS 28.541 Enhancement to clarify Network slice SLA requirement for inter-packet delay variation

*Nokia, Nokia Shanghai Bell,
KDDI, TELUS, Telefonica,
Samsung, Huawei, Deutsche
Telekom, Ericsson, ZTE,
Verizon*

Replaces
S5-240039

The document was agreed.

6.5.6

Management Aspects related to NWDAF

6.5.6.1

MANWDAF_WoP#1

6.5.6.2

MANWDAF_WoP#2

S5-240484	Rel-18 CR 28.552 Add new measurements related to coordination among multiple NWDAFs	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was agreed.</u> Replaced by
S5-240485	Rel-18 CR 28.552 Update use case on coordination among multiple NWDAFs	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240848
S5-240848	Rel-18 CR 28.552 Update use case on coordination among multiple NWDAFs	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240485		<u>The document was agreed.</u>
6.5.6.3	MANWDAF_WoP#3	
6.5.7	Enhanced Edge Computing Management	
6.5.7.1	eECM_WoP#1	
S5-240050	Rel-18 CR TS 28.538 Add QoS requirements attributes to EASRequirements IOC	<i>AsiaInfo</i>
Replaces	Add a new attribute "qOSRequirements" which includes two sub-attributes, "bandWidth" and "e2eLatency" to the ESARequirements IOC.	<u>The document was merged.</u> Replaced by S5-240900
S5-240061	Rel-18 CR TS 28.538 Add a new latency KPI for the EAS performance assurance	<i>AsiaInfo</i>
Replaces	Add a new KPI "E2E Latency" in Table 5.2.2-1: Edge Application Server Service KPIs.	<u>The document was not pursued.</u> Replaced by
S5-240094	Rel-18 CR TS 28.538 Correct the error in the relocationPolicy field of the YAML file.	<i>AsiaInfo</i>
Replaces	Correct the "EASRequirements-Single" data structure with the "relocationPolicy" field in TS28538_EdgeNrm.yaml file.	<u>The document was revised.</u> Replaced by S5-240899

<p>S5-240899</p> <p>Replaces S5-240094</p>	<p>Rel-18 CR TS 28.538 Correct the error in the relocationPolicy field of the YAML file.</p>	<p><i>AsiaInfo</i></p>
		<p><u>The document was agreed.</u></p>
<p>S5-240245</p> <p>Replaces</p>	<p>Rel-18 CR 28.538 Update EAS deployment procedure using eASDeploymentMonitor</p>	<p><i>Huawei, Samsung</i></p>
		<p><u>The document was revised.</u></p>
		<p>Replaced by S5-240900</p>
<p>S5-240900</p> <p>Replaces S5-240245</p>	<p>Rel-18 CR 28.538 Update EAS deployment procedure using eASDeploymentMonitor</p>	<p><i>Huawei, Samsung, AsiaInfo, Intel</i></p>
		<p><u>The document was agreed.</u></p>
<p>6.5.7.2</p>	<p>eECM_WoP#2</p>	
<p>S5-240100</p> <p>Replaces</p>	<p>Rel-18 CR 28.538 Rapp Clean-up</p>	<p><i>Samsung Electronics Co., Ltd</i></p>
		<p><u>The document was revised.</u></p>
		<p>Replaced by S5-240901</p>
<p>S5-240901</p> <p>Replaces S5-240100</p>	<p>Rel-18 CR 28.538 Rapp Clean-up</p>	<p><i>Samsung Electronics Co., Ltd</i></p>
		<p><u>The document was agreed.</u></p>
<p>6.5.7.3</p>	<p>eECM_WoP#3</p>	
<p>S5-240057</p> <p>Replaces</p>	<p>Rel-18 CR TS 28.538 Correct the IOC name and properties of "isOrdered" and "isUnique" in 6.4.1</p>	<p><i>China Telecom Corporation Ltd., Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was revised.</u></p>
		<p>Replaced by S5-240902</p>
<p>S5-240902</p> <p>Replaces S5-240057</p>	<p>Rel-18 CR TS 28.538 Correct the IOC name and properties of "isOrdered" and "isUnique" in 6.4.1</p>	<p><i>China Telecom Corporation Ltd., Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was agreed.</u></p>
<p>S5-240095</p> <p>Replaces</p>	<p>Rel-18 CR 28.538 ECS Federation</p>	<p><i>Samsung Electronics Co., Ltd</i></p>
		<p><u>The document was revised.</u></p>
		<p>Replaced by S5-240903</p>

S5-240903
Replaces
S5-240095

Rel-18 CR 28.538 ECS Federation

Samsung Electronics Co., Ltd

The document was agreed.

S5-240906
Replaces

Rel-18 CR 28.538 GSMA Mapping Update

Samsung Electronics Co., Ltd

The document was revised.

Replaced by S5-240904

S5-240904
Replaces
S5-240096

Rel-18 CR 28.538 GSMA Mapping Update

Samsung Electronics Co., Ltd

The document was agreed.

S5-240907
Replaces

Rel-18 CR 28.538 Minor Updates

Samsung Electronics Co., Ltd

The document was revised.

Replaced by S5-240905

S5-240905
Replaces
S5-240097

Rel-18 CR 28.538 Minor Updates

Samsung Electronics Co., Ltd

The document was agreed.

S5-240908
Replaces

Rel-18 CR 28.538 EAS Deployment Modifications

Samsung Electronics Co., Ltd

The document was revised.

Replaced by S5-240906

S5-240906
Replaces
S5-240098

Rel-18 CR 28.538 EAS Deployment Modifications

Samsung Electronics Co., Ltd

The document was agreed.

S5-240242
Replaces

Rel-18 CR 28.538 Update EAS resource reservation procedure

Huawei Technologies France

The document was revised.

Replaced by S5-240908

S5-240908
Replaces
S5-240242

Rel-18 CR 28.538 Update EAS resource reservation procedure

Huawei Technologies France

The document was agreed.

S5-240244
Replaces

Rel-18 CR 28.538 Update availableVirtualResource

Huawei Technologies France

The document was revised.

Replaced by S5-240907

S5-240907
Replaces
S5-240244

Rel-18 CR 28.538 Update availableVirtualResource

Huawei Technologies France

The document was agreed.

S5-240246
Replaces

Rel-18 CR 28.538 Update reservation ID

Huawei Technologies France

The document was revised.

Replaced by S5-240909

S5-240909
Replaces
S5-240246

Rel-18 CR 28.538 Update reservation ID

Huawei Technologies France

The document was agreed.

6.5.10 Management of cloud-native Virtualized Network Functions

6.5.10.1 MCVNF_WoP#1

6.5.10.2 MCVNF_WoP#2

6.5.10.3 MCVNF_WoP#3

S5-240427
Replaces

Rel-18 CR TS 28.533 Add references for cloud-native VNF LCM and NS LCM

ZTE Corporation

The document was not pursued.

Replaced by

6.5.11 Management Aspects of 5G Network Sharing Phase2

6.5.11.1 MANS_ph2_WoP#1

S5-240611
Replaces

Rel-18 CR TS 32.130 Add an example of service -based management architecture for MOCN

China Unicom, Asiatel

The document was withdrawn.

Replaced by

S5-240612	Rel-18 CR TS 32.130 Add requirements for NG-RAN MOCN network sharing scenario with multiple Cell Identity broadcast	<i>China Unicom, Asaiinfo</i>
Replaces		<u>The document was withdrawn.</u> Replaced by
S5-240613	Rel-18 CR TS 32.130 Add new use case for management support for NG-RAN MOCN network sharing scenario	<i>China Unicom, Asaiinfo</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240849
S5-240849	Rel-18 CR TS 32.130 Add new use case for management support for NG-RAN MOCN network sharing scenario	<i>China Unicom, Asaiinfo</i>
Replaces S5-240613		<u>The document was agreed.</u>
S5-240615	Rel-18 CR TS 32.130 Add an example of service -based management architecture for MOCN	<i>China Unicom, Asaiinfo</i>
Replaces		<u>The document was withdrawn.</u> Replaced by
S5-240616	Rel-18 CR TS 32.130 Add requirements supporting service-based management architecture for NG-RAN MOCN	<i>China Unicom</i>
Replaces		<u>The document was not pursued.</u> Replaced by
S5-240618	Rel-18 CR TS 32.130 Add access management requirement for NG-RAN MOCN network sharing scenario	<i>China Unicom, Asaiinfo</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240850
S5-240850	Rel-18 CR TS 32.130 Add access management requirement for NG-RAN MOCN network sharing scenario	<i>China Unicom, Asaiinfo</i>
Replaces S5-240618		<u>The document was not pursued.</u>
S5-240630	Rel-18 CR TS 32.130 Add an example of service -based management architecture for MOCN	<i>China Unicom, Asaiinfo</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240851
S5-240851	Rel-18 CR TS 32.130 Add an example of service -based management architecture for MOCN	<i>China Unicom, Asaiinfo</i>
Replaces S5-240630		<u>The document was agreed.</u>

6.5.11.2

MANS_ph2_WoP#2

[S5-240336](#)

Rel-18 CR TS 28.541 Address EP_F1 issue for MOCN RAN sharing scenario

Huawei, China Unicom

Replaces
S5-238233

The document was revised.

Replaced by S5-240852

[S5-240852](#)

Rel-18 CR TS 28.541 Address EP_F1 issue for MOCN RAN sharing scenario

Huawei, China Unicom

Replaces
S5-240336

The document was agreed.

6.5.12

Management Aspects of URLLC

6.5.12.1

URLLC_Mgt_WoP#1

[S5-240423](#)

Rel-18 CR TS 28.554 Add the KPI of DL Packet transmission reliability on F1-U

AsiaInfo

Replaces

Add a new Reliability KPI which is "Package transmission reliability KPI in DL on F1-U" to cover the F1-U interface DL reliability.

The document was revised.

Replaced by S5-240853

[S5-240853](#)

Rel-18 CR TS 28.554 Add the KPI of DL Packet transmission reliability on F1-U

AsiaInfo

Replaces
S5-240423

The document was agreed.

[S5-240424](#)

Rel-18 CR TS 28.554 Add the KPI of UL Packet transmission reliability on F1-U

AsiaInfo

Replaces

Add a new Reliability KPI which is "Package transmission reliability KPI in UL on F1-U" to cover the F1-U interface UL reliability.

The document was revised.

Replaced by S5-240854

[S5-240854](#)

Rel-18 CR TS 28.554 Add the KPI of UL Packet transmission reliability on F1-U

AsiaInfo

Replaces
S5-240424

The document was agreed.

6.5.12.2

URLLC_Mgt_WoP#2

[S5-240046](#)

TS 28.554 Rel-18 Add the KPIs of DL Packet transmission reliability on F1-U

AsiaInfo Technologies Inc

Replaces

Add a new Reliability KPI which is "Package transmission reliability KPI in DL on F1-U" to cover the DU split scenario.

The document was withdrawn.

Replaced by

S5-240047	TS 28.554 Rel-18 Add the KPIs of UL Packet transmission reliability on F1-U	<i>AsiaInfo Technologies Inc</i>
Replaces	Add a new Reliability KPI which is "Package transmission reliability KPI in UL on F1-U" to cover the DU split scenario.	
		<u>The document was withdrawn.</u>
		Replaced by
S5-240048	Rel-18 CR TS 28.554 Correct the referance information in the end-to-end reliability description in A18	<i>AsiaInfo</i>
Replaces	Correct the wrong descriptions in clause A18.	
		<u>The document was agreed.</u>
		Replaced by
S5-240608	Rel-18 Add KPI on end to end reliability for URLLC network slice	<i>China Unicom, Asiainfo</i>
Replaces		
		<u>The document was not pursued.</u>
		Replaced by
S5-240609	Rel-18 CR 28.554 Add new KPI on DL reliability with delay threshold in RAN	<i>China Unicom, Asiainfo</i>
Replaces		
		<u>The document was not pursued.</u>
		Replaced by
S5-240619	Rel-18 TS 28.552 Add new measurements for DL PI Time Domain Proportion	<i>China Unicom, Asiainfo</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240855
S5-240855	Rel-18 TS 28.552 Add new measurements for DL PI Time Domain Proportion	<i>China Unicom, Asiainfo</i>
Replaces S5-240619		
		<u>The document was not pursued.</u>
S5-240620	Rel-18 TS 28.552 Add new measurements for UL CI Time Domain Proportion	<i>China Unicom, Asiainfo</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240634
S5-240622	Rel-18 TS 28.552 Add new measurements for UL PB Time Domain Proportion	<i>China Unicom, Asiainfo</i>
Replaces		
		<u>The document was not pursued.</u>
S5-240857	Rel-18 TS 28.552 Add new measurements for UL PB Time Domain Proportion	<i>China Unicom, Asiainfo</i>
		<u>The document was withdrawn.</u>

S5-240634

Replaces
S5-240620

Rel-18 TS 28.552 Add new measurements for UL CI Time Domain Proportion

China Unicom, Asiainfo

The document was revised.

Replaced by S5-240856

S5-240856

Replaces
S5-240634

Rel-18 TS 28.552 Add new measurements for UL CI Time Domain Proportion

China Unicom, Asiainfo

The document was agreed.

6.5.13

Management aspects of 5G system supporting satellite backhaul

6.5.13.1

OAM_5GSATB_WoP#1

S5-240073

Replaces

Rel-18 CR TS 28.541 Add new attribute to describe the mapping relationship between DNAI and satellite ID

China Telecommunications

The document was revised.

Replaced by S5-240858

S5-240858

Replaces
S5-240073

Rel-18 CR TS 28.541 Add new attribute to describe the mapping relationship between DNAI and satellite ID

China Telecommunications

The document was agreed.

S5-240075

Replaces

Rel-18 CR 28.541 Add satellite backhaul information to AMFFunction

China Telecom

The document was revised.

Replaced by S5-240859

S5-240859

Replaces
S5-240075

Rel-18 CR 28.541 Add satellite backhaul information to AMFFunction

China Telecom

The document was agreed.

6.5.13.2

OAM_5GSATB_WoP#2

S5-240074

Replaces

Rel-18 CR TS 28.552 Add satellite backhaul category for performance measurements for UPF

China Telecom

The document was revised.

Replaced by S5-240860

S5-240860

Rel-18 CR TS 28.552 Add satellite backhaul category for performance measurements for UPF

China Telecom

Replaces
S5-240074

The document was agreed.

6.6 OAM&P Rel-18 Work Items - Support of New Services

6.6.1 Access control for management service

6.6.1.1 MSAC_WoP#1

6.6.1.2 MSAC_WoP#2

S5-240425

Replaces

DraftTS 28.319 on Access control of Management services

Nokia UK

The document was revised.

Replaced by S5-240861

S5-240861

Replaces
S5-240425

DraftTS 28.319 on Access control of Management services

Nokia UK

The document was approved.

S5-241071

Presentation of TS 28.319 v1.0.0 for information and approval

Nokia UK

The document was approved.

6.6.1.3 MSAC_WoP#3

S5-240428

Replaces

Rel-18 pCR TS28.319 on OpenAPI for REST Solution for Access control for management service

Nokia UK

The document was revised.

Replaced by S5-240862

S5-240862

Rel-18 pCR TS28.319 on OpenAPI for REST Solution for Access control for management service

Nokia UK

Replaces
S5-240428

The document was approved.

S5-240429

Rel-18 pCR TS28.319 on Operations mapping, examples and sequence diagram for REST Solution for Access control for management service

Nokia UK

Replaces

The document was noted.

Replaced by

S5-240430

Rel-18 pCR TS28.319 on concept of NetCONF Solution for Access control for management service

Nokia UK

Replaces

The document was revised.

Replaced by S5-240863

S5-240863

Rel-18 pCR TS28.319 on concept of NetCONF Solution for Access control for management service

Nokia UK

Replaces
S5-240430

The document was approved.

S5-240474

Rel18 CR TS28.532 resources-msacNrm is missing in resource schema

Nokia UK

Replaces

The document was revised.

Replaced by S5-240864

S5-240864

Rel18 CR TS28.532 resources-msacNrm is missing in resource schema

Nokia UK

Replaces
S5-240474

The document was agreed.

6.6.1.4

MSAC_WoP#4

6.6.3

Management of non-public networks phase 2

6.6.3.1

OAM_NPN_Ph2_WoP#1

S5-240352

Rel-18 CR TS 28.557 Correction on procedure figure for SNPN provisioning with 3GPP segments only

Huawei

Replaces

The document was agreed.

Replaced by

S5-240353
Replaces

LS to 5G-ACIA on Management of non-public networks

Huawei

The document was revised.

Replaced by S5-240910

S5-240910
Replaces
S5-240353

LS to 5G-ACIA on Management of non-public networks

Huawei

The document was approved.

6.6.3.2

OAM_NPN_Ph2_WoP#2

S5-240350
Replaces

Rel-18 CR TS 28.557 Add solution for shared and dedicated resources in NPN

Huawei

The document was revised.

Replaced by S5-240912

S5-240912
Replaces
S5-240350

Rel-18 CR TS 28.557 Add solution for shared and dedicated resources in NPN

Huawei

The document was agreed.

S5-240351
Replaces

Rel-18 CR TS 28.557 Add use case and requirements for shared and dedicated resource demand for NPN service customers

Huawei

The document was revised.

Replaced by S5-240911

S5-240911
Replaces
S5-240351

Rel-18 CR TS 28.557 Add use case and requirements for shared and dedicated resource demand for NPN service customers

Huawei

The document was agreed.

6.6.3.3

OAM_NPN_Ph2_WoP#3

6.6.3.4

OAM_NPN_Ph2_WoP#4

S5-240349
Replaces

Rel-18 CR TS 28.557 Add solution for SLA monitoring and assurance in NPN

Huawei

The document was revised.

Replaced by S5-240913

S5-240913

Rel-18 CR TS 28.557 Add solution for SLA monitoring and assurance in NPN

Huawei

Replaces
S5-240349

The document was agreed.

S5-240354

Rel-18 CR TS 28.557 Update use case and requirement for SLA monitoring and assurance

Huawei, Ericsson

Replaces

The document was revised.

Replaced by S5-240914

S5-240914

Rel-18 CR TS 28.557 Update use case and requirement for SLA monitoring and assurance

Huawei, Ericsson

Replaces
S5-240354

The document was agreed.

6.6.4

Network and Service Operations for Energy Utilities

6.6.4.1

NSOEU_WoP#1

S5-240560

Rel-18 pCR 28.318 Configuration, scope adjustment

*Samsung, EUTC, EDF,
Deutsche Telekom*

Replaces

In Rel-18, NSOEU will not support CAPIF as there remain open issues and questions. Some configuration is needed, which is considered to be available but not standardized.

The document was revised.

Replaced by S5-240923

S5-240923

Rel-18 pCR 28.318 Configuration, scope adjustment

*Samsung, EUTC, EDF,
Deutsche Telekom*

Replaces
S5-240560

The document was approved.

6.6.4.2

NSOEU_WoP#2

6.6.4.3

NSOEU_WoP#3

S5-240189

Rel-18 pCR 28.318 Annex A use case 1 procedure

Nokia

Replaces

The document was revised.

Replaced by S5-240924

S5-240924 Replaces S5-240189	Rel-18 pCR 28.318 Annex A use case 1 procedure	Nokia
		<u>The document was approved.</u>
S5-240356 Replaces	pCR TS 28.318 Remove the PMs and KPIs for NSOEU	Huawei
		<u>The document was approved.</u>
S5-240357 Replaces	Rel-18 CR TS 28.552 Add performance measurements for NSOEU	Huawei
		<u>The document was revised.</u>
		Replaced by S5-240926
S5-240926	Rel-18 CR TS 28.552 Add performance measurements for NSOEU	Huawei, Ericsson, Nokia, Nokia Shanghai Bell, Samsung
Replaces S5-240357		
		<u>The document was agreed.</u>
S5-240358 Replaces	Rel-18 CR TS 28.554 Add KPIs for NSOEU	Huawei
		<u>The document was revised.</u>
		Replaced by S5-240927
S5-240927 Replaces S5-240358	Rel-18 CR TS 28.554 Add KPIs for NSOEU	Huawei, Samsung
		<u>The document was agreed.</u>
S5-240421 Replaces	Rel-18 pCR TS 28.318 Cell Availability performance measurement	Nokia, Nokia Shanghai Bell
		<u>The document was withdrawn.</u>
		Replaced by
S5-240535 Replaces	Rel-18 CR TS 28.623 NRM definitions_Network Performance Monitoring Stage 3	Samsung Electronics France SA
		<u>The document was withdrawn.</u>
		Replaced by
S5-240554 Replaces	pCR 28.318 Remove cell availability for NRCellCU	Ericsson Limited
		<u>The document was merged.</u>
		Replaced by S5-240926
S5-240557	Rel-18 pCR 28.318 Clean Up	Samsung, EUTC, EDF, Deutsche Telekom
Replaces	Clean up of minor issues in TS 28.318 for correctness, style, consistency.	
		<u>The document was merged.</u>
		Replaced by S5-240924

S5-240559	Rel-18 pCR TS 28.318 NRM definitions_Network Performance Monitoring Stage 2	<i>Samsung, EUTC, EDF, DTAG</i>
Replaces		<u>The document was withdrawn.</u>
		Replaced by
S5-240625	Rel-18 CR TS 28.552 Addition of cell availability performance measurement	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was merged.</u>
		Replaced by S5-240926
S5-240627	Rel-18 pCR TS 28.318 Cell Availability performance measurement definition	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was noted.</u>
		Replaced by
S5-240650	Rel-18 pCR TS 28.318 NRM definitions_Network Performance Monitoring Stage 2	<i>Samsung, EUTC, EDF, DTAG</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-240929
S5-240929	Rel-18 pCR TS 28.318 NRM definitions_Network Performance Monitoring Stage 2	<i>Samsung, EUTC, EDF, DTAG, Ericsson France</i>
Replaces S5-240650		<u>The document was approved.</u>
S5-240651	Rel-18 CR TS 28.623 NRM definitions_Network Performance Monitoring Stage 3	<i>Samsung Electronics France SA</i>
Replaces		<u>The document was not pursued.</u>
S5-240931	Rel-18 CR TS 28.623 NRM definitions_Network Performance Monitoring Stage 3	<i>Samsung Electronics France SA</i>
		<u>The document was withdrawn.</u>
S5-240930	Rel-18 CR TS 28.622 NRM definitions_Network Performance Monitoring Stage 2	<i>Samsung</i>
		<u>The document was withdrawn.</u>
6.6.4.4	NSOEU_WoP#4	

S5-240553	Rel-18 pCR 28.318 UPS Reference Change to include ETSI ES 202 336-11	<i>Samsung, EUTC, EDF, Deutsche Telekom</i>
Replaces	Text is added to support both RFC 1628 and ETSI ES 202 336-11 as the basis for the attribute value of UPSInfo - which indicates the number of minutes remaining of capacity for a UPS. This is flexible and comprehensive, and allows use of ETSI ES 202 336 se	
		<u>The document was approved.</u>
		Replaced by
S5-240555	Rel-18 pCR TS 28.318 Procedure_update_Coordinated_Rapid_Recovery	<i>Samsung, EUTC, EDF, DTAG</i>
Replaces		
		<u>The document was withdrawn.</u>
		Replaced by
S5-240568	Rel-18 pCR TS 28.318 NRM definitions_Coordinated Rapid Recovery Stage 2	<i>Samsung, EUTC, EDF, DTAG</i>
Replaces		
		<u>The document was withdrawn.</u>
		Replaced by
S5-240598	Rel-18 pCR TS 28.318 NRM definitions_Coordinated Rapid Recovery Stage 3	<i>Samsung</i>
Replaces		
		<u>The document was withdrawn.</u>
		Replaced by
S5-240617	Rel-18 pCR TS 28.318 Coordinated recovery NRM	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was merged.</u>
		Replaced by S5-240933
S5-240623	Rel-18 pCR TS 28.318 Stage 3 Coordinated Recovery NRM definitions	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was merged.</u>
		Replaced by S5-240934
S5-240646	Rel-18 pCR TS 28.318 Procedure_update_Coordinated_Rapid_Recovery	<i>Samsung, EUTC, EDF, DTAG</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240932
S5-240932	Rel-18 pCR TS 28.318 Procedure_update_Coordinated_Rapid_Recovery	<i>Samsung, EUTC, EDF, DTAG, Vodafone, Ericsson France</i>
Replaces S5-240646		
		<u>The document was approved.</u>
S5-240928	Rel-18 CR TS 28.552 Measurement Family update for NSOEU measurements	<i>Samsung Electronics France SA</i>
Replaces S5-240647		
		<u>The document was agreed.</u>

S5-240648	Rel-18 pCR TS 28.318 NRM definitions_Coordinated Rapid_Recovery Stage 2	<i>Samsung, EUTC, EDF, DTAG</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240933
S5-240933	Rel-18 pCR TS 28.318 NRM definitions_Coordinated Rapid_Recovery Stage 2	<i>Samsung, Nokia, Nokia Shanghai Bell, Ericsson, Vodafone, EUTC, EDF, DTAG, Ericsson France</i>
Replaces S5-240648		
		<u>The document was approved.</u>
S5-240649	Rel-18 pCR TS 28.318 NRM definitions_Coordinated Rapid_Recovery Stage 3	<i>Samsung Electronics France SA</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240934
S5-240934	Rel-18 pCR TS 28.318 NRM definitions_Coordinated Rapid_Recovery Stage 3	<i>Samsung Electronics France SA, Ericsson, Ericsson France, Nokia, Nokia Shanghai Bell</i>
Replaces S5-240649		
		<u>The document was approved.</u>
6.6.4.5	Draft TS email approval	
S5-240019	DRAFT TS 28.318 v0.3.0, captures the agreements of SA5 152, basis for contributions for SA5 153	<i>Samsung</i>
Replaces	This draft TS 28.318 0.3.0 was not uploaded on time after SA5 152. It is submitted to be endorsed at SA5 153 as the basis for contributions to that meeting.	
		<u>The document was endorsed.</u>
		Replaced by
S5-240020	Cover sheet for TS 28.318 v0.3.0 for information and approval	<i>Samsung R&D Institute UK</i>
Replaces	The cover sheet will accompany the output of SA5 153 of TS 28.318 to SA 103 (March 2024).The content of the cover sheet will be aligned with the output of the meeting before being considered for approval.	
		<u>The document was revised.</u>
		Replaced by S5-240935
S5-240935	Presentation of TS 28.318 v1.0.0 for information and approval	<i>Samsung R&D Institute UK</i>
Replaces S5-240020		
		<u>The document was approved.</u>
S5-241064	Draft TS 28.318	<i>Samsung R&D Institute UK</i>
		<u>The document was email approval.</u>

6.7 OAM&P Studies - Intelligence and Automation

6.7.1 Study on evaluation of autonomous network levels

6.7.1.1 FS_ANLEVA_WoP#1

[S5-240524](#)
Replaces

Presentation of TR 28.909 for approval

China Mobile

The document was revised.

Replaced by S5-240916

[S5-240916](#)
Replaces
S5-240524

Presentation of TR 28.909 for approval

China Mobile

The document was approved.

[S5-241070](#)

Draft TR 28.909

China Mobile

The document was email approval.

6.7.1.2 FS_ANLEVA_WoP#2

6.7.1.3 FS_ANLEVA_WoP#3

6.7.1.4 FS_ANLEVA_WoP#4

[S5-240522](#)
Replaces

pCR TR 28.909 rapporteur clean up

China Mobile

The document was approved.

Replaced by

[S5-240523](#)
Replaces

pCR TR 28.909 Add conclusion

China Mobile, Huawei

The document was revised.

Replaced by S5-240915

S5-240915
Replaces
S5-240523

pCR TR 28.909 Add conclusion

China Mobile, Huawei

The document was approved.

6.7.1.5 Draft TR email approval

6.7.3 Study on Fault Supervision Evolution

6.7.3.1 FS_FSEV_WoP#1

S5-240412
Replaces

pCR TR 28.830 Add conclusion of issue1 Missing definitions

Huawei

The document was approved.

Replaced by

S5-240413
Replaces

pCR TR 28.830 Rapporteure clean up

Huawei

The document was approved.

Replaced by

S5-240414
Replaces

Presentation sheet of TR 28.830 for SA approval

Huawei

The document was revised.

Replaced by S5-240922

S5-240922
Replaces
S5-240414

Presentation sheet of TR 28.830 for Information and Approval

Huawei

The document was approved.

S5-240415
Replaces

pCR TR 28.830 Add description of relation with performance management

Huawei

The document was revised.

Replaced by S5-240919

S5-240919
Replaces
S5-240415

pCR TR 28.830 Add description of relation with performance management

Huawei

The document was noted.

S5-240416
Replaces

pCR TR 28.830 Add solution of performance degradation

Huawei

The document was revised.

Replaced by S5-240920

S5-240920
Replaces
S5-240416

pCR TR 28.830 Add solution of performance degradation

Huawei

The document was noted.

S5-241066

Draft TR 28.830

Huawei

The document was email approval.

6.7.3.2

FS_FSEV_WoP#2

6.7.3.3

FS_FSEV_WoP#3

S5-240417
Replaces

pCR TR 28.830 Add conclusion of issue2 Potential enhancements for fault related analysis

Huawei

The document was revised.

Replaced by S5-240921

S5-240921
Replaces
S5-240417

pCR TR 28.830 Add conclusion of issue2 Potential enhancements for fault related analysis

Huawei

The document was approved.

S5-240418
Replaces

pCR TR 28.830 Add conclusion and recommendations

Huawei

The document was merged.

Replaced by S5-240921

6.7.3.4

Draft TR email approval

6.8

OAM&P Studies - Management Architecture and Mechanisms

6.8.1 Study on Data management phase 2

6.8.1.1 FS_MADCOL_ph2_WoP#1

S5-240337

**pCR TR 28.842 Add conclusion and recommendation for Key issue #5
Managing external management data**

Huawei, Deutsche Telekom

Replaces

The document was merged.

Replaced by S5-240936

S5-240338

**pCR TR 28.842 Add conclusion and recommendation for Key Issue #8
reporting data for managementDataCollection**

Huawei, Deutsche Telekom

Replaces

The document was merged.

Replaced by S5-240936

S5-240521

Rel-18 pCR 28.842 Add conclusions

Nokia, Nokia Shanghai Bell

Replaces

The document was merged.

Replaced by S5-240936

S5-240566

**Rel-18 Presentation sheet for TR 28.842 Data Management
(information and approval)**

Nokia, Nokia Shanghai Bell

Replaces

The document was revised.

Replaced by S5-240937

S5-240937

**Rel-18 Presentation sheet for TR 28.842 Data Management
(information and approval)**

Nokia, Nokia Shanghai Bell

Replaces

S5-240566

The document was approved.

Microsoft Europe SARL

S5-240640

pCR TR 28.842 Add recommendations and conclusions

Replaces

The document was revised.

Replaced by S5-240936

S5-240936

pCR TR 28.842 Add recommendations and conclusions

*Microsoft Europe SARL,
Ericsson, Nokia, Huawei*

Replaces

S5-240640

The document was approved.

S5-240642
Replaces

pCR TR 28.842 Add scope

Microsoft Europe SARL

The document was approved.

Replaced by

S5-241068

Draft TR 28.842

Nokia

The document was email approval.

6.8.1.2 **FS_MADCOL_ph2_WoP#2**

6.8.1.3 **FS_MADCOL_ph2_WoP#3**

6.8.1.4 **FS_MADCOL_ph2_WoP#4**

6.8.1.5 **Draft TR email approval**

6.9 **OAM&P Studies - Support of New Services**

6.9.2 **Study on Deterministic Communication Service Assurance**

6.9.2.1 **FS_DCDSA_WoP#1**

[S5-240378](#)
Replaces

pCR TR 28.865 Add definitions of terms, symbols and abbreviations

Huawei

The document was revised.

Replaced by S5-240938

[S5-240938](#)
Replaces
S5-240378

pCR TR 28.865 Add definitions of terms, symbols and abbreviations

Huawei

The document was approved.

[S5-240379](#)
Replaces

pCR TR 28.865 Rapporteur clean up

Huawei

The document was approved.

Replaced by

[S5-240380](#)
Replaces

Presentation sheet of TR 28.865 for information and approval

Huawei

The document was approved.

Replaced by

[S5-241069](#)

Draft TR 28.865

Huawei

The document was email approval.

6.9.2.2

FS_DCSA_WoP#2

6.9.2.3

FS_DCSA_WoP#3

6.9.2.4

FS_DCSA_WoP#4

6.9.2.5

FS_DCSA_WoP#5

[S5-240381](#)
Replaces

Revised SID on deterministic communication service assurance

Huawei

The document was revised.

Replaced by S5-240939

S5-24039
Replaces
S5-240381

Revised SID on deterministic communication service assurance

Huawei

The document was agreed.

6.9.2.6 Draft TR email approval

6.19 OAM&P Rel-19 topics

6.19.1 Study on AI/ML management - phase 2

6.19.2 Study on Management Data Analytics (MDA) – Phase 3

6.19.3 Study on intent driven management services for mobile network phase 3

S5-240218
Replaces

pCR TR 28.914 Add structure

Huawei,Ericsson

The document was revised.

Replaced by S5-240898

S5-240898
Replaces
S5-240218

pCR TR 28.914 Add structure

Huawei,Ericsson

The document was approved.

S5-240219
Replaces

pCR TR 28.914 Add scope

Huawei,Ericsson

The document was revised.

Replaced by S5-240796

S5-240796
Replaces
S5-240219

pCR TR 28.914 Add scope

Huawei,Ericsson

The document was approved.

S5-240220 Replaces	pCR TR 28.914 Add key issue for enhance the radio network expectation to support radio network traffic assurance	<i>Huawei, Deutsche Telekom</i> <u>The document was noted.</u>
S5-241042	pCR TR 28.914 Add key issue for enhance the radio network expectation to support radio network traffic assurance	<i>Huawei, Deutsche Telekom</i>
S5-240221 Replaces	pCR TR 28.914 Add key issue for exploring the best values that can be achieved for specific intent targets	<u>The document was withdrawn.</u> <i>Huawei, Deutsche Telekom, China Mobile</i>
S5-240222 Replaces	pCR TR 28.914 Add key issue for implicit intent report subscription	<u>The document was not treated.</u> Replaced by <i>Huawei, Deutsche Telekom</i>
S5-240223 Replaces	pCR TR 28.914 add key issues for intent driven management for Uncrewed Aerial Vehicle	<u>The document was not treated.</u> Replaced by <i>Huawei, Deutsche Telekom</i>
S5-241043	pCR TR 28.914 add key issues for intent driven management for Uncrewed Aerial Vehicle	<u>The document was noted.</u> <i>Huawei, Deutsche Telekom</i>
S5-240228 Replaces	pCR TR 28.914 Add Key Issues of Implicit Intent Report Subscription	<u>The document was withdrawn.</u> <i>ZTE Corporation</i>
S5-240229 Replaces	pCR TR 28.914 Add Potential Solutions of Implicit Intent Report Subscription	<u>The document was not treated.</u> Replaced by <i>ZTE Corporation</i>
S5-240230 Replaces	pCR TR 28.914 Add Key Issues of Intent Negotiation	<u>The document was not treated.</u> Replaced by <i>ZTE Corporation</i>
		<u>The document was not treated.</u> Replaced by

S5-240482 Replaces	pCR TR 28.914 Add Key issue	<i>China Mobile</i>
		<u>The document was not treated.</u>
		Replaced by
S5-240496 Replaces	Discussion paper on network slice and intent	<i>Ericsson, Deutsche Telekom</i>
		<u>The document was not treated.</u>
		Replaced by
S5-240508 Replaces	draft TR 28.914 Initial version	<i>Ericsson Inc., Huawei</i>
		<u>The document was approved.</u>
		Replaced by
S5-241081	Draft TR 28.914	<i>Ericsson</i>
		<u>The document was email approval.</u>
6.19.4	Study on closed control loop management	
S5-240101 Replaces	Rel-19 pCR 28.867 TR Structure	<i>Samsung, Nokia</i>
		<u>The document was revised.</u>
		Replaced by S5-241045
S5-241045 Replaces S5-240101	Rel-19 pCR 28.867 TR Structure	<i>Samsung, Nokia</i>
		<u>The document was approved.</u>
S5-240104 Replaces	Rel-19 pCR 28.867 Implicit CCL Management	<i>Samsung Electronics Co., Ltd</i>
		<u>The document was revised.</u>
		Replaced by S5-241046
S5-241046 Replaces S5-240104	Rel-19 pCR 28.867 Implicit CCL Management	<i>Samsung Electronics Co., Ltd</i>
		<u>The document was noted.</u>
S5-240234 Replaces	Rel-19 pCR TR28.867 Add key issue description on CCL for fault management	<i>ZTE Corporation</i>
		<u>The document was noted.</u>
S5-241047	Rel-19 pCR TR28.867 Add key issue description on CCL for fault management	<i>ZTE Corporation</i>
		<u>The document was withdrawn.</u>

S5-240235	Rel-19 pCR TR28.867 Add use case and requirements on CCL for fault management	ZTE Corporation
Replaces		
		<u>The document was not treated.</u>
		Replaced by
S5-240236	Rel-19 pCR TR28.867 Add use case and requirements on CCL for cross-domain fault management	ZTE Corporation
Replaces		
		<u>The document was not treated.</u>
		Replaced by
S5-240391	Initial skeleton of TR 28.867	Nokia Belgium
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-241044
S5-241044	Initial skeleton of TR 28.867	Nokia Belgium
Replaces S5-240391		
		<u>The document was approved.</u>
S5-241087	Draft 28.867	Nokia
		<u>The document was email approval.</u>
6.19.5	Study on management aspects of Network Digital Twin	
S5-240366	pCR TR 28.915 Add Terms and Abbreviations	ZTE Corporation
Replaces		
		<u>The document was merged.</u>
		Replaced by S5-241050
S5-240374	Add Digital Twin MnS	ZTE Corporation
Replaces		
		<u>The document was noted.</u>
		Replaced by
S5-240375	pCR TR 28.915 Use case and requirements for failure and risk prediction	ZTE Corporation
Replaces		
		<u>The document was not treated.</u>
		Replaced by
S5-240376	pCR TR 28.915 Use case and requirements for preventing signalling storm in 5GC	ZTE Corporation
Replaces		
		<u>The document was noted.</u>
		Replaced by

S5-240475
Replaces

Rel-19 TR 28.915 Cover Sheet

China Mobile

The document was approved.

Replaced by

S5-240476
Replaces

pCR Add skeleton for TR 28.915

China Mobile

The document was revised.

Replaced by S5-241048

S5-241048
Replaces
S5-240476

pCR Add skeleton for TR 28.915

China Mobile

The document was approved.

S5-240477
Replaces

pCR Add concepts for TR 28.915

China Mobile, Huawei

The document was noted.

S5-241052

pCR Add concepts for TR 28.915

China Mobile, Huawei

The document was withdrawn.

S5-240478
Replaces

pCR Add scope for TR 28.915

China Mobile

The document was revised.

Replaced by S5-241049

S5-241049
Replaces
S5-240478

pCR Add scope for TR 28.915

China Mobile

The document was approved.

S5-240479
Replaces

pCR Add terms of NDT for TR 28.915

China Mobile, Huawei

The document was revised.

Replaced by S5-241050

S5-241050
Replaces
S5-240479

pCR Add terms of NDT for TR 28.915

China Mobile, Huawei

The document was noted.

S5-240480
Replaces

pCR Add key issue1 for TR 28.915

China Mobile, Huawei

The document was noted.

Replaced by

S5-240481	pCR Add key issue of visual perspective of network topology and traffic for TR 28.915	<i>China Mobile, Huawei</i>
Replaces		
		<u>The document was not treated.</u>
		Replaced by
S5-240483	pCR TR 28.915 New key issue on RAN energy saving policy pre-verification	<i>Huawei, China Mobile</i>
Replaces		
		<u>The document was not treated.</u>
		Replaced by
S5-240491	Discussion of options for NDT	<i>Huawei Technologies Japan K.K.</i>
Replaces		
		<u>The document was noted.</u>
		Replaced by
S5-241088	Draft TR 28.915	<i>CMCC</i>
		<u>The document was email approval.</u>
6.19.7	Study on Cloud Aspects of Management and Orchestration	
S5-240635	pCR TR 28.869 Structure	<i>Microsoft Europe SARL, China Mobile</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-241054
S5-241054	pCR TR 28.869 Structure	<i>Microsoft Europe SARL, China Mobile</i>
Replaces S5-240635		
		<u>The document was approved.</u>
S5-240637	pCR TR 28.869 Scope	<i>Microsoft Europe SARL, China Mobile</i>
Replaces		
		<u>The document was noted.</u>
S5-241055	pCR TR 28.869 Scope	<i>Microsoft Europe SARL, China Mobile</i>
		<u>The document was withdrawn.</u>
S5-240638	pCR TR 28.869 Concepts and background	<i>Microsoft Europe SARL, China Mobile</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-241056

S5-241056	pCR TR 28.869 Concepts and background	<i>Microsoft Europe SARL, China Mobile</i>
Replaces S5-240638		<u>The document was not treated.</u>
S5-240639	pCR TR 28.869 New use case on use of industry solutions for LCM of NFs	<i>Microsoft Europe SARL, AT&T</i>
Replaces		<u>The document was revised.</u> Replaced by S5-241057
S5-241057	pCR TR 28.869 New use case on use of industry solutions for LCM of NFs	<i>Microsoft Europe SARL, AT&T</i>
Replaces S5-240639		<u>The document was not treated.</u>
S5-240645	Draft TR 28.869 Initial version	<i>Microsoft Europe SARL, China Mobile</i>
Replaces		<u>The document was revised.</u> Replaced by S5-241053
S5-241053	Draft TR 28.869 Initial version	<i>Microsoft Europe SARL, China Mobile</i>
Replaces S5-240645		<u>The document was approved.</u>
S5-241085	Draft TR 28.869	<i>Microsoft</i>
		<u>The document was email approval.</u>
6.19.8	Study on Enablers for Security Monitoring	
6.19.9	Study on Service Based Management Architecture enhancement phase 3	
6.19.10	Study on Management of planned configurations	
6.19.11	Data management phase 2	

- 6.19.12 Study on data management regarding subscriptions and reporting**

- 6.19.14 5G performance measurements and KPIs phase 4**

- 6.19.15 5G Advanced NRM features phase 3**

- 6.19.16 Subscriber and Equipment Trace and QoE collection management**

- 6.19.17 Study on Management Aspects of NTN Phase 2**

- 6.19.18 Study on management of IAB nodes**

- 6.19.19 Study on management aspects of RedCap feature**

- 6.19.20 Study on Enhancement of Management Aspects related to NWDAF Phase 2**

6.19.21	Study on Management of Network Sharing Phase 3	
6.19.23	Study on energy efficiency and energy saving aspects of 5G networks and services	
S5-240138 Replaces	pCR TR 28.880 Clause titles for Key Issues and Solutions	<i>Huawei</i>
S5-241058 Replaces S5-240138	pCR TR 28.880 Clause titles for Key Issues and Solutions	<u>The document was revised.</u> Replaced by S5-241058 <i>Huawei</i>
S5-240139 Replaces	pCR TR 28.880 New Key Issue on Energy states in 5GS	<u>The document was approved.</u> <i>Huawei, Deutsche Telekom</i>
S5-240140 Replaces	pCR 28.880 New Key Issue on Estimation of containerized VNF energy consumption	<u>The document was noted.</u> Replaced by <i>Huawei, Deutsche Telekom</i>
S5-240141 Replaces	LS on energy states in TS 22.261	<u>The document was noted.</u> Replaced by <i>Huawei</i>
S5-240807 Replaces S5-240141	LS on energy states in TS 22.261	<u>The document was revised.</u> Replaced by S5-240807 <i>Huawei</i>
S5-240142 Replaces	LS to ETSI NFV on metrics to estimate containerized VNF energy consumption	<u>The document was approved.</u> <i>Huawei</i>
		<u>The document was revised.</u> Replaced by S5-241059

S5-241059	LS to ETSI NFV on metrics to estimate containerized VNF energy consumption	<i>Huawei</i>
Replaces S5-240142		<u>The document was approved.</u>
S5-240143	pCR TR 28.880 New key issue on renewable energy consumption and carbon emission information	<i>Huawei, Deutsche Telekom</i>
Replaces		<u>The document was not treated.</u>
S5-240155	Living document on 3GPP work on energy efficiency	<i>Huawei</i>
Replaces		Replaced by
		<u>The document was noted.</u>
		Replaced by
S5-241072	draft TR 28.880	<i>Huawei</i>
		<u>The document was email approval.</u>
6.19.24	Study on Enhanced OAM for management exposure to external consumers	
S5-240190	Initial skeleton of TR 28.879	<i>Nokia</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-241060
S5-241060	Initial skeleton of TR 28.879	<i>Nokia</i>
Replaces S5-240190		<u>The document was approved.</u>
S5-240411	Rel-19 pCR TR 28.879 Add Clause 6 & 7	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-241061
S5-241061	Rel-19 pCR TR 28.879 Add Clause 6 & 7	<i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240411		<u>The document was approved.</u>
S5-240419	Rel-19 pCR TR 28.879 Add Clause 5	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was merged.</u>
		Replaced by S5-241061
S5-241089	Draft TR 28.879	<i>Nokia</i>
		<u>The document was email approval.</u>

Charging

7.1 Charging Plenary

S5-240017

Charging exec report

*SA5 SWG CH Chair
(MATRIXX Software)*

Replaces

The document was approved.

Replaced by

S5-240018

CH agenda and time plan

*SA5 SWG CH Chair
(MATRIXX Software)*

Replaces

The document was revised.

Replaced by S5-240688

S5-240688

CH agenda and time plan

*SA5 SWG CH Chair
(MATRIXX Software)*

Replaces
S5-240018

The document was noted.

S5-240055

Collection of useful contributions and external communication documents in CH

*SWG Vice Chair (Huawei
Tech.(UK) Co.. Ltd)*

Replaces

The document was revised.

Replaced by S5-240689

S5-240689

Collection of useful contributions and external communication documents in CH

*SWG Vice Chair (Huawei
Tech.(UK) Co.. Ltd)*

Replaces
S5-240055

The document was noted.

S5-240186

SA5 Charging workplan for Rel-19

*SA5 SWG Chair (MATRIXX
Software)*

Replaces

The document was revised.

Replaced by S5-241020

S5-241020

SA5 Charging workplan for Rel-19

*SA5 SWG Chair (MATRIXX
Software)*

Replaces
S5-240186

The document was revised.

Replaced by S5-241080

S5-241080	SA5 Charging workplan for Rel-19	<i>SA5 SWG Chair (MATRIXX Software)</i>
Replaces S5-241020		<u>The document was agreed.</u>
S5-240454	Reply LS on charging aspects of AI/ML traffic	<i>S2-2313605</i>
Replaces		<u>The document was replied to.</u>
S5-240695	Reply LS on charging aspects of AI/ML traffic	Replaced by <i>MATRIXX Software</i>
		<u>The document was approved.</u>
S5-240463	LS to 3GPP_Correlation information for API volume based charging	<i>GSMA</i>
Replaces		<u>The document was postponed.</u>
S5-240467	Reply LS on the need of the NR NTN TAI	Replaced by <i>C4-235683</i>
Replaces		<u>The document was noted.</u>
S5-240468	LS on String based Charging Identifier over SBI	Replaced by <i>C4-234657</i>
Replaces		<u>The document was replied to.</u>
S5-241017	Reply to: LS on String based Charging Identifier over SBI	Replaced by <i>Ericsson LM</i>
		<u>The document was approved.</u>
7.2	New Charging Work Item proposals	
S5-240127	Discussion paper on a new WID Network Slice Replacement charging	<i>MATRIXX Software</i>
Replaces		<u>The document was noted.</u>
S5-240128	New WID Network Slice Replacement charging	<i>MATRIXX Software</i>
Replaces		<u>The document was revised.</u>
S5-241009	New WID Network Slice Replacement charging	Replaced by S5-241009 <i>MATRIXX Software</i>
Replaces S5-240128		<u>The document was agreed.</u>

S5-240129
Replaces

Introduction of Network slice replacement charging

MATRIX Software

The document was revised.

Replaced by S5-240782

S5-240782
Replaces
S5-240129

Introduction of Network slice replacement charging

MATRIX Software

The document was agreed.

S5-240130
Replaces

Introduction of Alternative NSSAI

MATRIX Software

The document was revised.

Replaced by S5-240785

S5-240785
Replaces
S5-240130

Introduction of Alternative NSSAI

MATRIX Software

The document was agreed.

S5-240131
Replaces

Introduction of NS replacement charging - SMF

MATRIX Software

The document was revised.

Replaced by S5-240783

S5-240783
Replaces
S5-240131

Introduction of NS replacement charging - SMF

MATRIX Software

The document was agreed.

S5-240132
Replaces

Introduction of NS replacement charging -AMF

MATRIX Software

The document was revised.

Replaced by S5-240786

S5-240786
Replaces
S5-240132

Introduction of NS replacement charging -AMF

MATRIX Software

The document was agreed.

S5-240133
Replaces

Introduction Network Slice Replacement - SMF

MATRIX Software

The document was revised.

Replaced by S5-240784

S5-240784
Replaces
S5-240133

Introduction Network Slice Replacement - SMF

MATRIX Software

The document was agreed.

<p>S5-240134 Replaces</p>	<p>Introduction of NS replacement charging -AMF</p>	<p><i>MATRIX Software</i></p>
		<p><u>The document was revised.</u> Replaced by S5-240787</p>
<p>S5-240787 Replaces S5-240134</p>	<p>Introduction of NS replacement charging -AMF</p>	<p><i>MATRIX Software</i></p>
		<p><u>The document was agreed.</u></p>
<p>S5-240192 Replaces</p>	<p>Discussion paper for CAPIF Charging Aspects</p>	<p><i>Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was noted.</u> Replaced by</p>
<p>S5-240302 Replaces</p>	<p>DP on charging aspect for Energy Consumption</p>	<p><i>Huawei</i></p>
		<p><u>The document was noted.</u> Replaced by</p>
<p>S5-240546 Replaces</p>	<p>New Study on charging aspects of satellite access Phase 3</p>	<p><i>CATT</i></p>
		<p><u>The document was not pursued.</u> Replaced by</p>
<p>S5-240549 Replaces SP-231707</p>	<p>Revised WID on charging aspects of Satellite Backhaul in 5GS</p>	<p><i>CATT</i></p>
	<p>Objective: The objective of this work item is to specify the business relationships (e.g. SSC, SSP, SMNO), requirements and solutions for: - Satellite backhaul charging - Edge Computing with satellite backhaul, including - subscriber charging; and - inter</p>	
		<p><u>The document was agreed.</u> Replaced by</p>
<p>S5-240569 Replaces</p>	<p>New WID on trusted AF charging</p>	<p><i>Ericsson LM</i></p>
		<p><u>The document was not pursued.</u> Replaced by</p>
<p>7.3</p>	<p>Charging Maintenance and Rel-18 small Enhancements</p>	
<p>S5-240123 Replaces</p>	<p>Correction IMS CDR definition</p>	<p><i>MATRIX Software</i></p>
		<p><u>The document was revised.</u> Replaced by S5-240757</p>
<p>S5-240757 Replaces S5-240123</p>	<p>Correction IMS CDR definition</p>	<p><i>MATRIX Software</i></p>
		<p><u>The document was agreed.</u></p>

S5-240124 Replaces	Correction IMS CDR definition	<i>MATRIX Software</i>
		<u>The document was revised.</u> Replaced by S5-240758
S5-240758 Replaces S5-240124	Correction IMS CDR definition	<i>MATRIX Software</i>
		<u>The document was agreed.</u>
S5-240125 Replaces	Rel-17 CR TS 32.298 Correction ASN1 syntax	<i>MATRIX Software</i>
		<u>The document was withdrawn.</u> Replaced by
S5-240126 Replaces	Correction ASN1 Syntax	<i>MATRIX Software</i>
		<u>The document was revised.</u> Replaced by S5-240760
S5-240760 Replaces S5-240126	Correction ASN1 Syntax	<i>MATRIX Software</i>
		<u>The document was agreed.</u>
S5-240206 Replaces	Rel-18 CR TS 32.291 Connectivity Mechanism Enhancement	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was revised.</u> Replaced by S5-240777
S5-240777 Replaces S5-240206	Rel-18 CR TS 32.291 Connectivity Mechanism Enhancement	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was agreed.</u>
S5-240326 Replaces	Rel-18 CR 32.298 Add the IMS triggers in CHF CDR	<i>Huawei</i>
		<u>The document was not pursued.</u> Replaced by
S5-240327 Replaces	Rel-18 CR 32.291 Add the common triggers in Trigger Type	<i>Huawei</i>
		<u>The document was not pursued.</u> Replaced by
S5-240328 Replaces	Rel-18 CR 32.240 Clarify the description for distributed deployment models	<i>Huawei</i>
		<u>The document was revised.</u> Replaced by S5-240778

S5-240778	Rel-18 CR 32.240 Clarify the description for distributed deployment models	<i>Huawei</i>
Replaces S5-240328		<u>The document was agreed.</u>
S5-240329	Rel-18 CR 32.290 Correct the description for CTF detected failure handling	<i>Huawei</i>
Replaces		<u>The document was not pursued.</u>
S5-240330	Rel-18 CR 32.255 Relocation of the description for Roaming Charging Profile	<i>Huawei</i>
Replaces		Replaced by
S5-240331	Rel-18 CR 32.291 Minor corrections	<i>Huawei</i>
Replaces		<u>The document was revised.</u>
S5-240779	Rel-18 CR 32.291 Minor corrections	<i>Huawei</i>
Replaces S5-240331		Replaced by S5-240779
S5-240364	Add Missing Interfaces	<i>Amdocs</i>
Replaces		<u>The document was agreed.</u>
S5-240781	Add Missing Reference	<i>Amdocs</i>
Replaces S5-240364		<u>The document was revised.</u>
S5-241025	Add Missing Reference	<i>Amdocs</i>
Replaces S5-240781		Replaced by S5-240781
S5-240365	DP AF Identifier for API Charging	<i>Amdocs, AT&T</i>
Replaces		<u>The document was agreed.</u>
S5-240518	Add Clarification on AF Identifier	<i>Amdocs, AT&T</i>
Replaces		<u>The document was noted.</u>
		Replaced by
		<u>The document was not pursued.</u>
		Replaced by

S5-240519
Replaces

Add Clarification on AF Identifier

Amdocs, AT&T

The document was not pursued.

Replaced by

S5-240536
Replaces

Add Missing Reference

Amdocs

The document was agreed.

Replaced by S5-240780

S5-240780
Replaces
S5-240536

Add Missing Reference

Amdocs

The document was agreed.

S5-240570
Replaces

Rel-18 CR 32.270 Correction of MMS reference and cleanup

Ericsson LM

The document was agreed.

Replaced by

S5-240571
Replaces

Rel-18 CR 32.255 Correction of element information id in annex C

Ericsson LM

The document was not pursued.

Replaced by

S5-240572
Replaces

Rel-18 CR 32.290 Correction of architecture when CTF connected to two CHF

Ericsson LM

The document was revised.

Replaced by S5-241010

S5-241010
Replaces
S5-240572

Rel-18 CR 32.290 Correction of architecture when CTF connected to two CHF

Ericsson LM

The document was agreed.

S5-240573
Replaces

Rel-18 CR 32.290 Correction of quota management

Ericsson LM

The document was revised.

Replaced by S5-241011

S5-241011
Replaces
S5-240573

Rel-18 CR 32.290 Correction of quota management

Ericsson LM

The document was agreed.

S5-240574
Replaces

Rel-18 CR 32.290 Correction of requested unit in message content

Ericsson LM

The document was revised.

Replaced by S5-241012

S5-241012 Replaces S5-240574	Rel-18 CR 32.290 Correction of requested unit in message content	<i>Ericsson LM</i>
		<u>The document was agreed.</u>
S5-240575 Replaces	Rel-18 CR 32.298 Correction of invocationTimestamp	<i>Ericsson LM</i>
		<u>The document was merged.</u> Replaced by S5-240126
S5-240576 Replaces	Rel-16 CR 32.298 Correction of iPTeXtV6Address	<i>Ericsson LM</i>
		<u>The document was agreed.</u> Replaced by
S5-240577 Replaces	Rel-17 CR 32.298 Correction of iPTeXtV6Address	<i>Ericsson LM</i>
		<u>The document was revised.</u> Replaced by S5-241013
S5-241013 Replaces S5-240577	Rel-17 CR 32.298 Correction of iPTeXtV6Address	<i>Ericsson LM</i>
		<u>The document was agreed.</u>
S5-240578 Replaces	Rel-18 CR 32.298 Correction of iPTeXtV6Address	<i>Ericsson LM</i>
		<u>The document was agreed.</u> Replaced by
S5-240579 Replaces	Rel-16 CR 32.299 Correction of Address-Type AVP	<i>Ericsson LM</i>
		<u>The document was not pursued.</u> Replaced by
S5-240580 Replaces	Rel-17 CR 32.299 Correction of Address-Type AVP	<i>Ericsson LM</i>
		<u>The document was revised.</u> Replaced by S5-241014
S5-241014 Replaces S5-240580	Rel-17 CR 32.299 Correction of Address-Type AVP	<i>Ericsson LM</i>
		<u>The document was agreed.</u>
S5-240581 Replaces	Rel-18 CR 32.255 Correction of inter-PLMN flow	<i>Ericsson LM</i>
		<u>The document was revised.</u> Replaced by S5-241015

S5-241015 Replaces S5-240581	Rel-18 CR 32.255 Correction of inter-PLMN flow	<i>Ericsson LM</i>
		<u>The document was agreed.</u>
S5-240582 Replaces	Rel-18 CR 32.291 Correction of SMF charging id string	<i>Ericsson LM</i>
		<u>The document was revised.</u>
		Replaced by S5-241016
S5-241016 Replaces S5-240582	Rel-18 CR 32.291 Correction of SMF charging id string	<i>Ericsson LM</i>
		<u>The document was agreed.</u>
S5-240629 Replaces	Rel-18 pCR TR 28.840 Application Identifier Correction	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was not pursued.</u>
		Replaced by
S5-240677 Replaces	Correction ASN1 Syntax	<i>MATRIX Software</i>
		<u>The document was revised.</u>
		Replaced by S5-240759
S5-240759 Replaces S5-240677	Correction ASN1 Syntax	<i>MATRIX Software</i>
		<u>The document was agreed.</u>
S5-240694	Rel-18 CR 32.291 Update OpenAPI version	<i>Huawei</i>
		<u>The document was email approval.</u>
S5-241026	Rel-16 CR 32.298 Update ASN.1 source code version	<i>Ericsson LM</i>
		<u>The document was email approval.</u>
S5-241027	Rel-17 CR 32.298 Update ASN.1 source code version	<i>Ericsson LM</i>
		<u>The document was email approval.</u>
S5-241028	Rel-18 CR 32.298 Update ASN.1 source code version	<i>Ericsson LM</i>
		<u>The document was email approval.</u>
7.4	Rel-18 Charging	

7.4.1 Charging Aspects of Network Slicing Phase 2		
S5-240113 Replaces	Rel-18 pCR 28.203 Refinement on NSACF Charging information	<i>MATRIX Software</i> <u>The document was revised.</u> Replaced by S5-240696
S5-240696 Replaces S5-240113	Rel-18 pCR 28.203 Refinement on NSACF Charging information	<i>MATRIX Software</i> <u>The document was agreed.</u>
S5-240114 Replaces	Presentation of TS 28.203 to SA#103	<i>MATRIX Software</i> <u>The document was revised.</u> Replaced by S5-240707
S5-240707 Replaces S5-240114	Presentation of TS 28.203 to SA#103	<i>MATRIX Software</i> <u>The document was approved.</u>
S5-240115 Replaces	Introduction of NSACF	<i>MATRIX Software</i> <u>The document was revised.</u> Replaced by S5-240700
S5-240700 Replaces S5-240115	Introduction of NSACF	<i>MATRIX Software</i> <u>The document was revised.</u> Replaced by S5-241022
S5-241022 Replaces S5-240700	Introduction of NSACF	<i>MATRIX Software</i> <u>The document was agreed.</u>
S5-240116 Replaces	Introduction of NSACF	<i>MATRIX Software</i> <u>The document was agreed.</u>
S5-240117 Replaces	Rel-18 CR TS 32.291 Introduction of NSACF charging	<i>MATRIX Software</i> <u>The document was withdrawn.</u> Replaced by
S5-240118 Replaces	Introduction of NSACF charging	<i>MATRIX Software</i> <u>The document was revised.</u> Replaced by S5-240701

S5-240701
Replaces
S5-240118

Introduction of NSACF charging

MATRIX Software

The document was agreed.

S5-240316
Replaces

Rel-18 pCR 28.203 Clarification on the quota for the NSACF charging

Huawei

The document was not pursued.

Replaced by S5-240697

S5-240697
Replaces
S5-240316

Rel-18 pCR 28.203 Clarification on the quota for the NSACF charging

Huawei

The document was withdrawn.

S5-240317
Replaces

Rel-18 pCR 28.203 Update triggers for ECUR

Huawei

The document was revised.

Replaced by S5-240698

S5-240698
Replaces
S5-240317

Rel-18 pCR 28.203 Update triggers for ECUR

Huawei

The document was agreed.

S5-240318
Replaces

Rel-18 pCR 28.203 Clarification on charging scenarios for the NSACF charging

Huawei

The document was revised.

Replaced by S5-240699

S5-240699
Replaces
S5-240318

Rel-18 pCR 28.203 Clarification on charging scenarios for the NSACF charging

Huawei

The document was agreed.

S5-240319
Replaces

Rel-18 pCR 28.203 Remove the NSAC Charging information

Huawei

The document was merged.

Replaced by S5-240113

S5-240320
Replaces

Rel-18 CR 32.255 Clarification on the C-CHF and B-CHF communication

Huawei

The document was merged.

Replaced by S5-240670

S5-240321
Replaces

Rel-18 CR 32.255 Clarification on network slice tenant charging

Huawei

The document was revised.

Replaced by S5-240703

S5-240703
Replaces
S5-240321

Rel-18 CR 32.255 Clarification on network slice tenant charging

Huawei

The document was agreed.

S5-240368
Replaces

Rel-18 pCR 28.203 Clarify basic principles

China Mobile

The document was revised.

Replaced by S5-240706

S5-240706
Replaces
S5-240368

Rel-18 pCR 28.203 Clarify basic principles

China Mobile

The document was approved.

S5-240550
Replaces

Rel-18 CR 32.255 Addition of 5G Data Connectivity Converged Charging per network slice

Vodafone

The document was merged.

Replaced by S5-240670

S5-240669
Replaces

Introduce Business charging based on 5G data connectivity principle

MATRIX Software

The document was revised.

Replaced by S5-240704

S5-240704
Replaces
S5-240669

Introduce Business charging based on 5G data connectivity principle

MATRIX Software

The document was agreed.

S5-240670
Replaces

Update Network slice charging into generic business charging

MATRIX Software

The document was revised.

Replaced by S5-240705

S5-240705
Replaces
S5-240670

Update Network slice charging into generic business charging

MATRIX Software

The document was email approval.

S5-240676
Replaces

Introduction of NSACF charging

MATRIX Software

The document was revised.

Replaced by S5-240702

S5-240702
Replaces
S5-240676

Introduction of NSACF charging

MATRIX Software

The document was agreed.

The document was email approval.

7.4.2 Charging Aspects for NSSAA

S5-240119

Replaces

Rel-18 CR TS 32.240 Introduction of NSSAA

MATRIX Software

The document was withdrawn.

Replaced by

S5-240120

Replaces

Rel-18 CR TS 32.290 Introduction of NSSAA

MATRIX Software

The document was withdrawn.

Replaced by

S5-240121

Replaces

Rel-18 CR TS 32.291 Introduction of NSSAA charging

MATRIX Software

The document was withdrawn.

Replaced by

S5-240122

Replaces

Rel-18 CR TS 32.298 Introduction of NSSAA charging

MATRIX Software

The document was withdrawn.

Replaced by

S5-240671

Replaces

Introduction of NSSAA

MATRIX Software

The document was revised.

Replaced by S5-240708

S5-240708

Replaces

S5-240671

Introduction of NSSAA

MATRIX Software

The document was revised.

Replaced by S5-241024

S5-241024

Replaces

S5-240708

Introduction of NSSAA

MATRIX Software

The document was agreed.

S5-240672

Replaces

Introduction of NSSAA

MATRIX Software

The document was agreed.

Replaced by

S5-240673 Replaces	Introduction of NSSAA charging	<i>MATRIX Software</i>
		<u>The document was revised.</u> Replaced by S5-240709
S5-240709 Replaces S5-240673	Introduction of NSSAA charging	<i>MATRIX Software</i>
S5-240674 Replaces	Introduction of NSSAA charging	<i>MATRIX Software</i>
		<u>The document was revised.</u> Replaced by S5-240710
S5-240710 Replaces S5-240674	Introduction of NSSAA charging	<i>MATRIX Software</i>
		<u>The document was agreed.</u>
7.4.3	Charging Aspects for Enhanced Support of Non-Public Networks	
S5-240367 Replaces	Rel-18 CR 32.255 Addition of charging principle for PNI-NPN	<i>China Mobile</i>
		<u>The document was revised.</u> Replaced by S5-240720
S5-240720 Replaces S5-240367	Rel-18 CR 32.255 Addition of charging principle for PNI-NPN	<i>China Mobile</i>
		<u>The document was agreed.</u>
S5-240509 Replaces	Rel-18 CR 32.255 Clarify the charging information for SNPN Charging	<i>Huawei, China Mobile</i>
		<u>The document was revised.</u> Replaced by S5-240721
S5-240721 Replaces S5-240509	Rel-18 CR 32.255 Clarify the charging information for SNPN Charging	<i>Huawei, China Mobile</i>
		<u>The document was agreed.</u>
S5-240510 Replaces	Rel-18 CR 32.291 Clarify the charging information for SNPN Charging	<i>Huawei, China Mobile</i>
		<u>The document was revised.</u> Replaced by S5-240722
S5-240722 Replaces S5-240510	Rel-18 CR 32.291 Clarify the charging information for SNPN Charging	<i>Huawei, China Mobile</i>
		<u>The document was agreed.</u>

<p>S5-240511 Replaces</p>	<p>Rel-18 CR 32.298 Clarify the charging information for SNPN Charging</p>	<p><i>Huawei, China Mobile</i></p>
		<p><u>The document was revised.</u> Replaced by S5-240723</p>
<p>S5-240723 Replaces S5-240511</p>	<p>Rel-18 CR 32.298 Clarify the charging information for SNPN Charging</p>	<p><i>Huawei, China Mobile</i></p>
		<p><u>The document was agreed.</u></p>
<p>7.4.4</p>	<p>Charging Aspects of IMS Data Channel</p>	
<p>S5-240372 Replaces</p>	<p>Rel-18 CR 32.260 Addition of signalling procedure description for IMS data channel</p>	<p><i>China Mobile</i></p>
		<p><u>The document was revised.</u> Replaced by S5-240724</p>
<p>S5-240724 Replaces S5-240372</p>	<p>Rel-18 CR 32.260 Addition of signalling procedure description for IMS data channel</p>	<p><i>China Mobile</i></p>
		<p><u>The document was agreed.</u></p>
<p>7.4.5</p>	<p>Charging Aspects for SMF and MB-SMF to Support 5G Multicast-broadcast Services</p>	
<p>S5-240205 Replaces</p>	<p>Rel-18 pCR TS 32.279 Individual Delivery charging Enhancement</p>	<p><i>Nokia, Nokia Shanghai Bell</i></p>
		<p><u>The document was merged.</u> Replaced by S5-240513</p>
<p>S5-240407 Replaces</p>	<p>Rel-18 pCR 32.279 Add bindings for 5G MBS Session charging</p>	<p><i>China Mobile E-Commerce Co.</i></p>
		<p><u>The document was approved.</u> Replaced by</p>
<p>S5-240408 Replaces</p>	<p>Add MB-SMF as node functionality</p>	<p><i>China Mobile Com. Corporation, Huawei</i></p>
		<p><u>The document was revised.</u> Replaced by S5-241082</p>
<p>S5-241082 Replaces S5-240408</p>	<p>Add MB-SMF as node functionality</p>	<p><i>China Mobile Com. Corporation, Huawei</i></p>
		<p><u>The document was email approval.</u></p>

S5-240409	Add MB-SMF as NetworkFunctionality	<i>China Mobile Com. Corporation, Huawei</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240737
S5-240737	Add MB-SMF as NetworkFunctionality	<i>China Mobile Com. Corporation, Huawei</i>
Replaces S5-240409		
		<u>The document was agreed.</u>
S5-240512	Rel-18 pCR 32.279 Add MB-UPF ID in Charging Data Request and Response message from MB-SMF	<i>Huawei, China Mobile</i>
Replaces		
		<u>The document was approved.</u>
		Replaced by
S5-240513	Add PDU session charging procedures for multicast communication	<i>Huawei, China Mobile</i>
Replaces S5-236919		
		<u>The document was revised.</u>
		Replaced by S5-240736
S5-240736	Add PDU session charging procedures for multicast communication	<i>Huawei, China Mobile, Nokia, Nokia Shanghai Bell</i>
Replaces S5-240513		
		<u>The document was agreed.</u>
S5-240514	Add 5G MBS charging information definition	<i>Huawei, Nokia, Nokia Shanghai Bell, China Mobile</i>
Replaces S5-236923		
		<u>The document was agreed.</u>
		Replaced by
S5-240515	Rel-18 CR 32.291 Support of 5G Multicast-broadcast Services charging in Stage 3	<i>Huawei, China Mobile</i>
Replaces S5-237857		
		<u>The document was revised.</u>
		Replaced by S5-240738
S5-240738	Rel-18 CR 32.291 Support of 5G Multicast-broadcast Services charging in Stage 3	<i>Huawei, China Mobile</i>
Replaces S5-240515		
		<u>The document was agreed.</u>
S5-240516	Rel-18 CR 32.298 Update CHF CDRs for MB-SMF supported 5G MBS charging	<i>Huawei, China Mobile</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240739

S5-240739	Rel-18 CR 32.298 Update CHF CDRs for MB-SMF supported 5G MBS charging	<i>Huawei, China Mobile</i>
Replaces S5-240516		<u>The document was agreed.</u>
S5-240517	Rel-18 CR 32.298 Update CHF CDRs for SMF supported 5G MBS charging	<i>Huawei, China Mobile</i>
Replaces		<u>The document was revised.</u>
S5-240740	Rel-18 CR 32.298 Update CHF CDRs for SMF supported 5G MBS charging	Replaced by S5-240740 <i>Huawei, China Mobile</i>
Replaces S5-240517		<u>The document was agreed.</u>
S5-240597	Rel-18 pCR TS 32.279 UE leaves Multicast Session	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was merged.</u>
S5-240599	Rel-18 pCR TS 32.279 MBS Session Release	Replaced by S5-240513 <i>Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
S5-240733	Rel-18 pCR TS 32.279 MBS Session Release	Replaced by S5-240733 <i>Nokia, Nokia Shanghai Bell</i>
Replaces S5-240599		<u>The document was approved.</u>
S5-240600	Rel-18 pCR TS 32.279 MBS Session activation&deactivation&update procedure	<i>Rel-18 pCR TS 32.279 MBS Session Release</i>
Replaces		<u>The document was revised.</u>
S5-240734	Rel-18 pCR TS 32.279 MBS Session activation&deactivation&update procedure	Replaced by S5-240734 <i>Rel-18 pCR TS 32.279 MBS Session Release</i>
Replaces S5-240600		<u>The document was approved.</u>
S5-240601	Rel-18 pCR TR 28.840 Topic#3 Possible Solution 2	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces		<u>The document was revised.</u>
		Replaced by S5-240747

S5-240747	Rel-18 pCR TR 28.840 Topic#3 Possible Solution 2	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces S5-240601		<u>The document was approved.</u>
S5-240614	Presentation of TS 32.279 for approval	<i>China Mobile E-Commerce Co.</i>
Replaces		<u>The document was revised.</u>
S5-240735	Presentation of TS 32.279 for approval	<i>China Mobile E-Commerce Co.</i>
Replaces S5-240614		Replaced by S5-240735
S5-240691	Draft TS 32.279 for approval	<i>China Mobile Com. Corporation</i>
		<u>The document was approved.</u>
S5-241021	Rel-18 pCR TS 32.279 MBS Session deactivation procedure	<i>Huawei, Nokia, Nokia Shanghai Bell</i>
		<u>The document was email approval.</u>
		<u>The document was email approval.</u>
7.4.6	Charging Aspects of TSN	
S5-240304 Replaces	Revised WID on Charging Aspects of TSN	<i>Huawei</i>
		<u>The document was revised.</u>
S5-240711 Replaces S5-240304	Revised WID on Charging Aspects of TSN	<i>Huawei</i>
		Replaced by S5-240711
S5-240305 Replaces	Rel-18 CR 32.255 Add message flow for TSC traffic charging	<i>Huawei</i>
		<u>The document was agreed.</u>
S5-240712 Replaces S5-240305	Rel-18 CR 32.255 Add message flow for TSC traffic charging	<i>Huawei</i>
		<u>The document was revised.</u>
		Replaced by S5-240712
		<u>The document was agreed.</u>

S5-240306 Replaces	Rel-18 CR 32.255 Add charging information for TSC traffic charging	<i>Huawei</i>
		<u>The document was agreed.</u> Replaced by
S5-240307 Replaces	Rel-18 CR 32.255 Relocate the architectural description for TSC charging	<i>Huawei</i>
		<u>The document was merged.</u> Replaced by S5-240668
S5-240308 Replaces	Rel-18 CR 32.291 Add TSN specific charging information to OpenAPI	<i>Huawei</i>
		<u>The document was revised.</u> Replaced by S5-240714
S5-240714 Replaces S5-240308	Rel-18 CR 32.291 Add TSN specific charging information to OpenAPI	<i>Huawei</i>
		<u>The document was agreed.</u>
S5-240309 Replaces	Rel-18 CR 32.291 Add bindings for TSN specific charging information	<i>Huawei</i>
		<u>The document was revised.</u> Replaced by S5-240715
S5-240715 Replaces S5-240309	Rel-18 CR 32.291 Add bindings for TSN specific charging information	<i>Huawei</i>
		<u>The document was agreed.</u>
S5-240310 Replaces	Rel-18 CR 32.291 Update YAML with TSN specific charging information	<i>Huawei</i>
		<u>The document was revised.</u> Replaced by S5-240716
S5-240716 Replaces S5-240310	Rel-18 CR 32.291 Update YAML with TSN specific charging information	<i>Huawei</i>
		<u>The document was agreed.</u>
S5-240311 Replaces	Rel-18 CR 32.298 Add TSN specific charging information to CDR	<i>Huawei</i>
		<u>The document was revised.</u> Replaced by S5-240717
S5-240717 Replaces S5-240311	Rel-18 CR 32.298 Add TSN specific charging information to CDR	<i>Huawei</i>
		<u>The document was agreed.</u>

S5-240312 Replaces	Rel-18 CR 32.297 Add Btsn reference point	<i>Huawei</i>
		<u>The document was revised.</u> Replaced by S5-240718
S5-240718 Replaces S5-240312	Rel-18 CR 32.297 Add Btsn reference point	<i>Huawei</i>
		<u>The document was agreed.</u>
S5-240313 Replaces	Rel-18 CR 32.290 Add TSN AF and TSCTSF as NF consumers	<i>Huawei</i>
		<u>The document was agreed.</u> Replaced by
S5-240314 Replaces	Rel-18 CR 32.240 Update charging support for TSN service	<i>Huawei</i>
		<u>The document was revised.</u> Replaced by S5-240719
S5-240719 Replaces S5-240314	Rel-18 CR 32.240 Update charging support for TSN service	<i>Huawei</i>
		<u>The document was revised.</u> Replaced by S5-241023
S5-241023 Replaces S5-240719	Rel-18 CR 32.240 Update charging support for TSN service	<i>Huawei</i>
		<u>The document was agreed.</u>
S5-240315 Replaces	Rel-18 CR 32.282 Resolve the EN on SMF and NEF	<i>Huawei</i>
		<u>The document was agreed.</u> Replaced by
S5-240668 Replaces	Relocate TSN CHF under Consumer CHF to Business CHF architecture	<i>MATRIX Software</i>
		<u>The document was revised.</u> Replaced by S5-240713
S5-240713 Replaces S5-240668	Relocate TSN CHF under Consumer CHF to Business CHF architecture	<i>MATRIX Software, Huawei</i>
		<u>The document was agreed.</u>
7.4.7	Charging Aspects of B2B	

S5-240303 Replaces	Rel-18 CR 32.240 Clarify the B2B charging architecture and principles	<i>Huawei</i>
		<u>The document was revised.</u> Replaced by S5-240725
S5-240725 Replaces S5-240303	Rel-18 CR 32.240 Clarify the B2B charging architecture and principles	<i>Huawei</i>
		<u>The document was agreed.</u>
7.4.8	Charging Aspects of 5WWC phase 2	
S5-240369 Replaces	Discussion paper on charging enhancement for particular UEs (hosts, guests) using the RGs in case of trusted non-3GPP access	<i>China Unicom, Huawei</i>
		<u>The document was withdrawn.</u> Replaced by
S5-240370 Replaces	Rel-18 CR Add TNGF User Location Information as optional input of ULI	<i>China Unicom, Huawei</i>
		<u>The document was withdrawn.</u> Replaced by
S5-240394 Replaces	Discussion paper on charging enhancement for particular UEs (hosts, guests) using the RGs in case of trusted N3GPP access	<i>China Unicom, Huawei</i>
		<u>The document was noted.</u> Replaced by
S5-240395 Replaces	Add TNGF User Location Information as optional input of ULI	<i>China Unicom, Huawei</i>
		<u>The document was revised.</u> Replaced by S5-240741
S5-240741 Replaces S5-240395	Add TNGF User Location Information as optional input of ULI	<i>China Unicom, Huawei</i>
		<u>The document was agreed.</u> <i>China Unicom, Huawei</i>
S5-240396 Replaces	Add User Location Information as optional input of ULI	
		<u>The document was not pursued.</u> Replaced by
S5-240403 Replaces	Rel-18 CR 32.298 Add User Location Information of 5WWC_2 in CH	<i>China Unicom, Huawei</i>
		<u>The document was withdrawn.</u> Replaced by

S5-240405
Replaces

Add User Location Information of 5WWC_2 in CH

China Unicom, Huawei

The document was not pursued.

Replaced by

7.4.9

Charging for roaming and additional actor using CHF to CHF interface

S5-240332

Rel-18 CR 32.255 Update the interactions between CHF's in LBO roaming

Huawei

Replaces

The document was revised.

Replaced by S5-240726

S5-240726

Rel-18 CR 32.255 Update the interactions between CHF's in LBO roaming

Huawei

Replaces
S5-240332

The document was agreed.

S5-240333

Rel-18 CR 32.255 Update the inter-CHF charging information

Huawei

Replaces

The document was revised.

Replaced by S5-240728

S5-240728

Rel-18 CR 32.255 Update the inter-CHF charging information

Huawei

Replaces
S5-240333

The document was agreed.

S5-240334

Rel-18 CR 32.290 Update the consumer CHF detected failure handling

Huawei

Replaces

The document was revised.

Replaced by S5-240730

S5-240730

Rel-18 CR 32.290 Update the consumer CHF detected failure handling

*Huawei, Nokia, Nokia
Shanghai Bell*

Replaces
S5-240334

The document was agreed.

S5-240583

Rel-18 CR 32.255 Correction of inter-CHF

Ericsson LM

Replaces

The document was revised.

Replaced by S5-240727

S5-240727

Rel-18 CR 32.255 Correction of inter-CHF

Ericsson LM

Replaces
S5-240583

The document was agreed.

S5-240584 Replaces	Rel-18 CR 32.256 Addition of CHF information	<i>Ericsson LM</i>
		<u>The document was revised.</u> Replaced by S5-240729
S5-240729 Replaces S5-240584	Rel-18 CR 32.256 Addition of CHF information	<i>Ericsson LM</i>
		<u>The document was agreed.</u>
S5-240585 Replaces	Rel-18 CR 32.291 Addition of inter-CHF information	<i>Ericsson LM</i>
		<u>The document was revised.</u> Replaced by S5-240731
S5-240731 Replaces S5-240585	Rel-18 CR 32.291 Addition of inter-CHF information	<i>Ericsson LM</i>
		<u>The document was email approval.</u>
S5-240586 Replaces	Rel-18 CR 32.255 Addition of inter-CHF CDR information	<i>Ericsson LM</i>
		<u>The document was agreed.</u> Replaced by
S5-240587 Replaces	Rel-18 CR 32.256 Addition of inter-CHF CDR information	<i>Ericsson LM</i>
		<u>The document was agreed.</u> Replaced by
S5-240588 Replaces	Rel-18 CR 32.298 Addition of inter-CHF information	<i>Ericsson LM</i>
		<u>The document was revised.</u> Replaced by S5-240732
S5-240732 Replaces S5-240588	Rel-18 CR 32.298 Addition of inter-CHF information	<i>Ericsson LM</i>
		<u>The document was agreed.</u>
7.4.10	Charging aspects of Satellite Access in 5GS	
S5-240204 Replaces	Rel-18 CR TS 32.298 Satellite Access Values	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was merged.</u> Replaced by S5-240541
S5-240537 Replaces	Introduce the support of 5G Satellite charging Add the introduction of 5G Satellite charging.	<i>CATT</i>
		<u>The document was revised.</u> Replaced by S5-240761

S5-240761 Replaces S5-240537	Introduce the support of 5G Satellite charging	<i>CATT</i>
		<u>The document was agreed.</u>
S5-240538 Replaces	Add the charging information for the satellite access charging Add the charging information for the satellite access charging	<i>CATT</i>
		<u>The document was revised.</u> Replaced by S5-240762
S5-240762 Replaces S5-240538	Add the charging information for the satellite access charging	<i>CATT</i>
		<u>The document was agreed.</u>
S5-240539 Replaces	Extend the user location for the satellite access charging Extend the user location for the satellite access charging	<i>CATT</i>
		<u>The document was revised.</u> Replaced by S5-240763
S5-240763 Replaces S5-240539	Extend the user location for the satellite access charging	<i>CATT</i>
		<u>The document was agreed.</u>
S5-240540 Replaces	Add Data Type and Open API for 5G satellite access charging Add the Satellite Access Indicator to the corresponding information in the Data type and Open API	<i>CATT</i>
		<u>The document was revised.</u> Replaced by S5-240764
S5-240764 Replaces S5-240540	Add Data Type and Open API for 5G satellite access charging	<i>CATT, Huawei</i>
		<u>The document was agreed.</u>
S5-240541 Replaces	Add the support of 5G satellite access charging to CHF CDR 1. Add the Satellite Access Indicator to the corresponding charging information2. Add satellite RAT Type to CDRs.3. Update NrLocation according to the TS 29.571.	<i>CATT</i>
		<u>The document was revised.</u> Replaced by S5-240765
S5-240765 Replaces S5-240541	Add the support of 5G satellite access charging to CHF CDR	<i>CATT</i>
		<u>The document was agreed.</u>
S5-240767	Rel-18 CR 32.255 Add the charging information for the satellite access charging	<i>CATT</i>
		<u>The document was agreed.</u>
7.4.11	Charging aspects of Satellite Backhaul in 5GS	

S5-240542 **Add the message flow for the dynamic satellite backhaul charging** *CATT*
Replaces 1. Update the charging conditions for the satellite backhaul charging in clause 5.2.1.62. Add the message flow for the dynamic satellite backhaul charging

The document was revised.
Replaced by S5-240766

S5-240766 **Add the message flow for the dynamic satellite backhaul charging** *CATT*
Replaces
S5-240542

The document was agreed.

S5-240543 **Update the charging information for the satellite backhaul charging** *CATT*
Replaces 1. Update the satellite backhaul charging information of the clause 6.2.1.22. Add the satellite charging information into Detailed message format for converged charging

The document was revised.
Replaced by S5-240768

S5-240768 **Update the charging information for the satellite backhaul charging** *CATT*
Replaces
S5-240543

The document was agreed.

S5-240544 **Add Data Type and Open API for satellite backhaul charging** *CATT*
Replaces 1. Add Satellite backhaul Information in the Data Type2. Add Satellite backhaul Information in the Open API

The document was revised.
Replaced by S5-240769

S5-240769 **Add Data Type and Open API for satellite backhaul charging** *CATT, Huawei*
Replaces
S5-240544

The document was agreed.

S5-240545 **Add 5G satellite backhaul charging to CHF CDR** *CATT*
Replaces Add Satellite backhaul Information to PDU session charging information

The document was revised.
Replaced by S5-240770

S5-240770 **Add 5G satellite backhaul charging to CHF CDR** *CATT*
Replaces
S5-240545

The document was agreed.

7.5 Charging studies

7.5.1 Study on CHF Segmentation

S5-240195	Rel-18 pCR TR 28.840 Topic#1 Conclusion	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240754
S5-240754	Rel-18 pCR TR 28.840 Topic#1 Conclusion	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces S5-240195		
		<u>The document was approved.</u>
S5-240197	Rel-18 pCR TR 28.840 Topic#2 Conclusion	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240755
S5-240755	Rel-18 pCR TR 28.840 Topic#2 Conclusion	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces S5-240197		
		<u>The document was approved.</u>
S5-240199	Rel-18 pCR TR 28.840 Topic#3 Possible Solution	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240742
S5-240742	Rel-18 pCR TR 28.840 Topic#3 Possible Solution	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces S5-240199		
		<u>The document was agreed.</u>
S5-240201	Rel-18 pCR TR 28.840 Topic#3 Section Number Correction	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was approved.</u>
		Replaced by
S5-240202	Rel-18 pCR TR 28.840 References Update	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was approved.</u>
		Replaced by
S5-240203	Presentation of TR 28.840 to SA#103	<i>Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240756

S5-240756
Replaces
S5-240203

Presentation of TR 28.840 for Information and Approval

Nokia, Nokia Shanghai Bell

The document was approved.

S5-240224
Replaces

Rel-18 pCR 28.840 Solution for Topic 4 Key Issue 4a

*Amdocs, Nokia, Nokia
Shanghai Bell*

The document was revised.

Replaced by S5-240743

S5-240743
Replaces
S5-240224

Rel-18 pCR 28.840 Solution for Topic 4 Key Issue 4a

*Amdocs, Nokia, Nokia
Shanghai Bell*

The document was approved.

S5-240225
Replaces

Rel-18 pCR 28.840 Update Solution 4.6

*Amdocs, Nokia, Nokia
Shanghai Bell*

The document was revised.

Replaced by S5-240744

S5-240744
Replaces
S5-240225

Rel-18 pCR 28.840 Update Solution 4.6

*Amdocs, Nokia, Nokia
Shanghai Bell*

The document was approved.

S5-240226
Replaces

Rel-18 pCR 28.840 Use Supported Features

*Amdocs, Nokia, Nokia
Shanghai Bell*

The document was revised.

Replaced by S5-240745

S5-240745
Replaces
S5-240226

Rel-18 pCR 28.840 Use Supported Features

*Amdocs, Nokia, Nokia
Shanghai Bell*

The document was approved.

S5-240227
Replaces

Rel-18 pCR 28.840 Add Evaluation for Topic 4

*Amdocs, Nokia, Nokia
Shanghai Bell*

The document was revised.

Replaced by S5-240751

S5-240751
Replaces
S5-240227

Rel-18 pCR 28.840 Add Evaluation for Topic 4

*Amdocs, Nokia, Nokia
Shanghai Bell*

The document was approved.

S5-240322
Replaces

Update solution #1.4

Huawei

The document was approved.

Replaced by

Huawei

S5-240323
Replaces

Update solution #1.3

The document was approved.

Replaced by

Huawei

S5-240324
Replaces

Add solution for CHF selection by Tenant

The document was revised.

Replaced by S5-240746

Huawei

S5-240746
Replaces
S5-240324

Add solution for CHF selection by Tenant

The document was approved.

Huawei

S5-240325
Replaces

Update solution evaluation and conclusion

The document was merged.

Replaced by S5-240602

***Amdocs, Nokia, Nokia
Shanghai Bell***

S5-240520
Replaces

Rel-18 pCR 28.840 Add Conclusion for Topic 4

The document was revised.

Replaced by S5-240753

***Amdocs, Nokia, Nokia
Shanghai Bell***

S5-240753
Replaces
S5-240520

Rel-18 pCR 28.840 Add Conclusion for Topic 4

The document was approved.

Ericsson LM

S5-240589
Replaces

Rel-18 pCR 28.840 Evaluation of solution 1.5

The document was revised.

Replaced by S5-240748

Ericsson LM

S5-240748
Replaces
S5-240589

Rel-18 pCR 28.840 Evaluation of solution 1.5

The document was approved.

Ericsson LM

S5-240590
Replaces

Rel-18 pCR 28.840 Evaluation of solution 1.6

The document was revised.

Replaced by S5-240749

S5-240749
Replaces
S5-240590

Rel-18 pCR 28.840 Evaluation of solution 1.6

Ericsson LM

The document was approved.

S5-240591
Replaces

Rel-18 pCR 28.840 Evaluation of solution 2.3

Ericsson LM

The document was revised.

Replaced by S5-240750

S5-240750
Replaces
S5-240591

Rel-18 pCR 28.840 Evaluation of solution 2.3

Ericsson LM

The document was approved.

S5-240592
Replaces

Rel-18 pCR 28.840 New solution for CHF selection based on internal group identifier

Ericsson LM

The document was approved.

Replaced by

S5-240593
Replaces

Rel-18 pCR 28.840 New solution supported Feature for indicating domain support

Ericsson LM

The document was merged.

Replaced by S5-240226

S5-240594
Replaces

Rel-18 pCR 28.840 New solution 3gpp-Sbi-Consumer-Info for indicating domain support

Ericsson LM

The document was approved.

Replaced by

S5-240595
Replaces

Rel-18 pCR 28.840 Evaluation of solution for issue 4b

Ericsson LM

The document was merged.

Replaced by S5-240227

S5-240602
Replaces

Rel-18 pCR TR 28.840 Topic#3 Evaluation

*Amdocs, Nokia, Nokia
Shanghai Bell*

The document was revised.

Replaced by S5-240752

S5-240752
Replaces
S5-240602

Rel-18 pCR TR 28.840 Topic#3 Evaluation

*Amdocs, Nokia, Nokia
Shanghai Bell*

The document was approved.

S5-240603	Rel-18 pCR TR 28.840 Topic#3 Conclusion	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-241018
S5-241018	Rel-18 pCR TR 28.840 Topic#3 Conclusion	<i>Amdocs, Nokia, Nokia Shanghai Bell</i>
Replaces S5-240603		
		<u>The document was approved.</u>
S5-240692	Draft TR 28.840	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was email approval.</u>
S5-241019	Rel-18 pCR TR 28.840 Final Conclusion	<i>Nokia, Nokia Shanghai Bell</i>
		<u>The document was approved.</u>
S5-241067	Draft TR 28.840	<i>Nokia</i>
		<u>The document was email approval.</u>
7.5.2	Study on Charging Aspects of Ranging and Sidelink Positioning	
S5-240340	Rel-18 pCR TR 28.845 Update Solution to resolve EN for 5GS charging of Ranging Sidelink Positioning UE Discovery	<i>China Telecommunication Corp.</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240772
S5-240772	Rel-18 pCR TR 28.845 Update Solution to resolve EN for 5GS charging of Ranging Sidelink Positioning UE Discovery	<i>China Telecommunication Corp.</i>
Replaces S5-240340		
		<u>The document was approved.</u>
S5-240342	Rel-18 pCR TR 28.845 Update Evaluation and Conclusion for 5GS charging of Ranging Sidelink Positioning UE Discovery	<i>China Telecommunication Corp.</i>
Replaces		
		<u>The document was revised.</u>
		Replaced by S5-240773
S5-240773	Rel-18 pCR TR 28.845 Update Evaluation and Conclusion for 5GS charging of Ranging Sidelink Positioning UE Discovery	<i>China Telecommunication Corp.</i>
Replaces S5-240342		
		<u>The document was approved.</u>

S5-240343	Rel-18 pCR TR 28.845 Update Solution to resolve EN for 5GS charging of SL Positioning Service Exposure to the Client UE through 5GC network via NEF	<i>China Telecommunication Corp.</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240774
S5-240774	Rel-18 pCR TR 28.845 Update Solution to resolve EN for 5GS charging of SL Positioning Service Exposure to the Client UE through 5GC network via NEF	<i>China Telecommunication Corp.</i>
Replaces S5-240343		<u>The document was approved.</u>
S5-240344	Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of Ranging and SL Positioning service exposure	<i>China Telecommunication Corp.</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240775
S5-240775	Rel-18 pCR TR 28.845 Add Evaluation and Conclusion for 5GS charging of Ranging and SL Positioning service exposure	<i>China Telecommunication Corp.</i>
Replaces S5-240344		<u>The document was approved.</u>
S5-240345	Rel-18 pCR TR 28.845 Add Conclusion and Recommendations for charging of Ranging Sidelink Positioning	<i>China Telecommunication Corp.</i>
Replaces		<u>The document was approved.</u> Replaced by <i>Ericsson LM</i>
S5-240596	Rel-18 pCR 28.845 New solution for positioning charging using trusted AF	<i>Ericsson LM</i>
Replaces		<u>The document was revised.</u> Replaced by S5-240771
S5-240771	Rel-18 pCR 28.845 New solution for positioning charging using trusted AF	<i>Ericsson LM</i>
Replaces S5-240596		<u>The document was approved.</u>
S5-240693	Draft TR 28.845	<i>China Telecommunication Corp.</i>
		<u>The document was email approval.</u>
S5-240776	Presentation of TS 28.845 for Approval	<i>China Telecommunication Corp.</i>
		<u>The document was approved.</u>

7.19 Rel-19 Charging topics

8 Any Other Business

9 Closing of the meeting