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

**Meeting Report  
for  
TSG SA WG3  
meeting: 117**

**Maastricht, Netherlands, 19/08/2024 to 23/08/2024**

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## 1 Agenda and Meeting Objectives

Iko (KPN) wekcomed the delegates and gave a presentation about Maastricht on behalf of the host.

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.

**S3-242700 Agenda**

*Type: agenda For: (not specified)  
 Source: SA WG3 Chair*

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

**S3-242702 Process for SA3#117**

*Type: other For: (not specified)  
 Source: SA WG3 Chair*

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

**S3-242703 Detail agenda planning for SA3#117**

*Type: other For: (not specified)  
 Source: SA WG3 Chair*

**Decision:** The document was **revised to S3-243406**.

**S3-243406 Detail agenda planning for SA3#117**

*Type: other For: -  
 Source: SA WG3 Chair*

(Replaces S3-242703)

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

### 2.1 Previous SA3 meeting report/s and SA report

**S3-242701 Report from SA3#116**

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

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

**S3-242705 Report to SA3 from SA**

*Type: report For: (not specified)  
 Source: SA WG3 Chair*

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

**S3-242839 SWG Discussion**

*Type: discussion For: Endorsement  
 Source: SA3 Chair*

**Discussion:**

Option 4 was the preferred option among the companies.

Cablelabs: when do we start with the LI report?

The SA3 Chair commented that LI would provide a report for the current meeting, but the form of the report (tdoc or oral) was to be discussed.

Vodafone: there are meeting reports in SA3-LI, we could incorporate them in the SA3 reports.

Puneet (SA Chair) asked how many present companies were attending the present meeting. A few hands were raised. The SA chair commented that their ToR may have to be reviewed. The IPR reminders should be read at the start of every meeting (the SA3-LI chair confirmed that this was being done). A report of the SWG meeting needed to be provided and presented at TSG level (showing contributions, number of attendees, and so on).

Alex (SA3-LI Chair) commented that the MCC report could be provided easily.They added that LI was given to SA3 as a decision of PCG. The SA Chair commented that treated contributions needed to be public information, more transparency was needed. The SA3-Li Chair replied that the Portal provided all the necessary information on contributions and attendance.

The SA Chair commented that the SA3 Chair should have a full view on SA3-Li activities in case the SA3-LI was not available in the TSG meeting, in order to answer any questions. The SA3 Chair commented that he didn’t attend the meetings and couldn’t have this full view. The SA3-Li Chair commented that he was the only LI representative in Plenaries but he couldn’t attend all meetings. Any questions directed to SA3-LI could be answered offline if the SA3 Chair needed help.

It was endorsed to maintain the current structure between SA3 and SA3-LI adding the necessary report on SA3-LI activities on a particular agenda item in the SA3 agenda.

It was commented that the SA3-LI CRs could also be agreed during the SA3 meeting as it was done in the past.

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

### 2.2 SA3-LI report

## 3 Reports and Liaisons from other Groups

**S3-242710 LS on Resource content filters**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-241339*

**Decision:** The document was **replied to in S3-243678**.

**S3-243040 Reply LS to CT4 on Resource content filters**

*Type: LS out For: Approval  
 to CT4  
 Source: Huawei, HiSilicon*

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

**S3-243217 Reply LS on Resource content filter**

*Type: LS out For: Approval  
 to CT4  
 Source: Samsung*

**Decision:** The document was **revised to S3-243678**.

**S3-243678 Reply LS on Resource content filter**

*Type: LS out For: Approval  
 to CT4  
 Source: Samsung*

(Replaces S3-243217)

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

**S3-243279 Reply-LS on LS on Resource content filters**

*Type: LS out For: (not specified)  
 to CT4  
 Source: Nokia*

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

**S3-242719 LS on the use of TLS with QUIC in ATSSS context**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2405459*

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

**S3-243042 Discussion about Rel-18 ATSSS**

*Type: discussion For: Endorsement  
 Source: Ericsson*

**Discussion:**

Huawei: enough to say that TLS is supported after removing the editor's note.

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

**S3-242959 Reply LS on the use of TLS with QUIC in ATSSS context**

*Type: LS out For: (not specified)  
 to SA2  
 Source: Intel Technology India Pvt Ltd*

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

**S3-242733 Recent attack on polynomial based MACs with short tag**

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

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

**S3-242767 Discussion on polynomial based MACs with short Tag**

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

**Discussion:**

KDDI had issues with observation 1 and they needed clarification with observation 5.

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

**S3-242768 Reply LS on Polynomial based MACs with short Tag**

*Type: LS out For: (not specified)  
 to ETSI SAGE  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-242706 Response to S3-240886 LS on the introduction of the domain ""ipxnetwork.org""**

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

**Decision:** The document was **replied to in S3-243676**.

**S3-242780 LS on aggregation and other N32 topics in the context of mediated roaming**

*Type: LS out For: Approval  
 to GSMA 5GMRR, cc CT4  
 Source: BSI (DE)*

**Abstract:**

Clarifications on aspects such as aggregation of N32 traffic of multiple PLMNs over a single connection, trust anchoring for PRINS and whether or not PLMN IDs are included in certificates, trust between PLMNs and roaming intermediaries, and hop-by-hop app

**Decision:** The document was **revised to S3-243676**.

**S3-243676 LS on aggregation and other N32 topics in the context of mediated roaming**

*Type: LS out For: Approval  
 to GSMA 5GMRR, cc CT4  
 Source: BSI (DE)*

(Replaces S3-242780)

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

**S3-242931 LS on Discrepancy between GSMA and 3GPP specifications on 5G Roaming over Roaming Intermediaries**

*Type: LS out For: Approval  
 to TSG SA, cc CT4  
 Source: CableLabs*

**Discussion:**

The Chair queried if there was anything expected from SA to do here. Nokia replied that SA should be aware of the statement given to GSMA that new solutions are not allowed in this situation from 3GPP perspective.

Huawei: it's not clear what SA has to say to GSMA. SA already told GSMA that they needed to come to 3GPP to provide input contributions as LS exchanges were not the best way to work.

NTT-Docomo commented that GSMA had been invited to come to 3GPP twice already without any response.

Huawei: no harm in asking SA for guidance.

**Decision:** The document was **revised to S3-243677**.

**S3-243677 LS on GSMA non compliance with 3GPP specifications on 5G Roaming over Roaming Intermediaries**

*Type: LS out For: Approval  
 to TSG SA, cc CT4  
 Source: CableLabs*

(Replaces S3-242931)

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

**S3-242716 Reply LS on security of IP transport over satellite transport links**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R3-243955*

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

**S3-242725 LS on FS\_5GSAT\_Ph3\_ARCH conclusions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2407350*

**Decision:** The document was **replied to in S3-243533**.

**S3-242721 LS on security considerations for 5G ProSe multi-hop relays**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2407207*

**Discussion:**

Interdigital: we prefer Ericsson or Huawei's baseline for the response.

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

**S3-242732 Reply LS on request clarification on mobile metaverse services**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-242734*

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

**S3-243000 Draft LS to SA6 on obtaining user consent for the exposure of User Sensitive Information**

*Type: LS out For: (not specified)  
 to SA6  
 Source: Apple*

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

**S3-242824 SA3 input to Reply LS on clarifications on consent management**

*Type: LS out For: (not specified)  
 to SA, cc SA2, SA5, SA6, CT3, CT4  
 Source: Nokia*

**Discussion:**

Huawei, Ericsson: this may cause additional discussions and create confusion.

Apple was fine with the agreed version from Jeju meeting, not this version.

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

**S3-243366 LS on obtaining user consent for the exposure of User Sensitive Information**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6a240323*

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

**S3-242727 LS on enhancement to the protocol stack of IMS Data Channel**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S4-241373*

**Discussion:**

Nokia, Ericsson, Qualcomm had some issues with the LS replies.

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

**S3-243407 Reply to: LS on enhancement to the protocol stack of IMS Data Channel**

*Type: LS out For: approval  
 to SA4, cc SA3-LI  
 Source: China Mobile*

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

**S3-243027 Reply LS on enhancement to the protocol stack of IMS Data Channel**

*Type: LS out For: Approval  
 to SA4, cc SA3-LI  
 Source: Huawei, HiSilicon*

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

**S3-243232 Reply LS on enhancement to the protocol stack of IMS Data Channel**

*Type: LS out For: Approval  
 to SA4, cc SA3-LI  
 Source: China Mobile*

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

**S3-242730 LS on Clarification related to Internal 5G Core information expose to trusted AF**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-242714*

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

**S3-242898 Reply LS to SA6 on Clarification related to Internal 5G Core information expose to trusted AF**

*Type: LS out For: Approval  
 to SA6, cc SA2,CT3,SA5  
 Source: Huawei, HiSilicon*

**Discussion:**

NTT-Docomo: the term trusted AF is not clear.

**Decision:** The document was **revised to S3-243408**.

**S3-243408 Reply LS to SA6 on Clarification related to Internal 5G Core information expose to trusted AF**

*Type: LS out For: Approval  
 to SA6, cc SA2,CT3,SA5  
 Source: Huawei, HiSilicon*

(Replaces S3-242898)

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

**S3-242723 LS on Clarification of requirements for Ambient IoT**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2407231*

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

**S3-243239 Reply LS on Clarification of requirements for Ambient IoT**

*Type: LS out For: Approval  
 to SA1, SA2, cc RAN1, RAN2  
 Source: China Mobile*

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

**S3-242737 LS on Support for Ambient IoT Security**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: SP-241016*

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

**S3-242753 LS on RAN2 agreements and assumptions for Ambient IoT**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: R2-2406150*

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

**S3-242724 LS on User Identities and Authentication Architecture**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2407236*

**Decision:** The document was **replied to in S3-242852**.

**S3-243144 Observations on and issues with NAS based solutions to Key Issue #1 of TR 33.700-32 "Authentication and Authorization of Human User ID"**

*Type: discussion For: Endorsement  
 Source: Ericsson, CableLabs, NTT DOCOMO*

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

**S3-242852 LS Replay on User Identities and Authentication Architecture**

*Type: LS out For: Approval  
 to SA2, cc SA3-LI, SA1  
 Source: InterDigital Canada*

**Decision:** The document was **revised to S3-243558**.

**S3-243558 LS Replay on User Identities and Authentication Architecture**

*Type: LS out For: Approval  
 to SA2, cc SA3-LI, SA1  
 Source: InterDigital Canada*

(Replaces S3-242852)

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

**S3-242891 Reply LS to SA2 on User Identities and Authentication Architecture**

*Type: LS out For: Approval  
 to SA2  
 Source: Huawei, HiSilicon*

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

**S3-242903 draft - Reply LS on User Identities and Authentication Architecture**

*Type: LS out For: Approval  
 to SA2, cc SA3-LI, SA1  
 Source: ZTE Corporation*

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

**S3-243145 Reply LS on User Identities and Authentication Architecture**

*Type: LS out For: (not specified)  
 to SA2, cc SA3-LI, SA1  
 Source: Ericsson*

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

**S3-243157 Reply LS on User Identities and Authentication Architecture**

*Type: LS out For: Approval  
 to SA2, cc SA1, SA3-LI  
 Source: LG Electronics*

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

**S3-243251 Reply LS on User Identities and Authentication Architecture**

*Type: LS out For: Approval  
 to SA2, cc SA3-LI, SA1  
 Source: OPPO*

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

**S3-243264 [Draft] Reply LS on User Identities and Authentication Architecture**

*Type: LS out For: Approval  
 to SA2, cc SA3-LI, SA1  
 Source: Xiaomi Technology*

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

**S3-242939 Reply LS on User Identities and Authentication Architecture**

*Type: LS out For: Approval  
 to SA2, cc SA1,SA3-LI  
 Source: Nokia*

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

**S3-243321 Discussion on the User Identities LS from SA2**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

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

**S3-243322 Reply LS on User Identities and Authentication Architecture**

*Type: LS out For: (not specified)  
 to SA2, cc SA3-LI, SA1  
 Source: Qualcomm Incorporated*

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

**S3-242718 Reply LS on clarification on mobile metaverse services**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S1-241351*

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

**S3-242713 LS on RFC 9374, "DRIP Entity Tag (DET) for Unmanned Aircraft System Remote ID (UAS RID)"**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: IETF Drone Remote ID Protocol (DRIP)*

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

**S3-242714 LS on RFC 9543, "A Framework for Network Slices in Networks Built from IETF Technologies"**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: IETF Traffic Engineering Architecture and Signaling Working Group (teas)*

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

**S3-242715 LS on a Realization of Network Slices for 5G Networks Using Current IP/MPLS Technologies**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: IETF Traffic Engineering Architecture and Signaling Working Group (teas)*

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

**S3-242712 LS on Registering JWT claims at IANA**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: CP-241308*

**Discussion:**

There were discussions whether this impacted SA3 specifications.

Cablelabs asked whether it was up to SA3 to register in IANA but the Chair replied that CT had the lead on this.

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

**S3-242717 LS on Avoiding Cross-TSG TEI**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: RP-241686*

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

**S3-242741 Reply LS to SA3 on LI considerations for TR 33.757**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: s3i240502*

**Decision:** The document was **replied to in S3-243410**.

**S3-242900 [Draft] Reply LS on LI considerations for TR 33.757**

*Type: LS out For: Approval  
 to SA3-LI, cc SA2  
 Source: ZTE Corporation*

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

**S3-243240 Draft reply LS on LI considerations for TR 33.757**

*Type: LS out For: Approval  
 to SA3-LI, cc SA2  
 Source: China Mobile*

**Decision:** The document was **revised to S3-243410**.

**S3-243410 Reply LS on LI considerations for TR 33.757**

*Type: LS out For: Approval  
 to SA3-LI, cc SA2  
 Source: China Mobile*

(Replaces S3-243240)

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

**S3-242758 Newly published data channel GSMA PRD TS.66**

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

**Decision:** The document was **replied to in S3-243411**.

**S3-243299 Reply LS on Newly published data channel GSMA PRD TS.66**

*Type: LS out For: Approval  
 to SA, cc SA2, SA4, SA6, RAN5  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243411**.

**S3-243411 Reply LS on Newly published data channel GSMA PRD TS.66**

*Type: LS out For: Approval  
 to SA, cc SA2, SA4, SA6, RAN5  
 Source: Ericsson*

(Replaces S3-243299)

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

**S3-243391 LS on clarification on home network triggered re-authentication**

*Type: LS in For: discussion  
 Original outgoing LS: -, to -, cc -  
 Source: C4-235577*

**Decision:** The document was **replied to in S3-243412**.

**S3-242901 draft - Reply LS on clarification on home network triggered re-authentication**

*Type: LS out For: Approval  
 to CT4  
 Source: ZTE Corporation*

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

**S3-242902 Clarifications for HONTRA procedure with respect to failure cases**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2032 Cat: F (Rel-18)  
  
 Source: ZTE*

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

**S3-243293 Discussion about the HONTRA related responses from the AMF**

*Type: discussion For: Discussion  
 Source: Ericsson*

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

**S3-243294 Reply LS on clarification on home network triggered re-authentication**

*Type: LS out For: Approval  
 to CT4  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243412**.

**S3-243412 Reply LS on clarification on home network triggered re-authentication**

*Type: LS out For: Approval  
 to CT4  
 Source: Ericsson*

(Replaces S3-243294)

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

**S3-243295 Clarifications for HONTRA procedure with respect to failure cases**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2044 Cat: F (Rel-18)  
  
 Source: Ericsson*

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

**S3-243679 Clarifications for HONTRA procedure with respect to failure cases**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2044 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson*

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

**S3-242820 Discussion on 3GPP Cryptographic Inventory**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Huawei commented that the inventory may not be complete. They added that SA3 wasn’t ready to start the study yet.

Nokia wanted to bring a SID for the next meeting. The Chair proposed to have some offline calls and have an agreement. A more thorough document needed to be produced.

Cablelabs: it is controversial whether symmetric encryption is impacted by PQC.

Qualcomm wasn’t sure that a SID would do something significant.

The Chair proposed to have a conference call before next meeting about this topic.

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

**S3-243153 LS on Masking of cryptographic keys in UE trace file from 3GPP core network entities**

*Type: LS out For: (not specified)  
 to SA5  
 Source: Ericsson*

**Discussion:**

Nokia: comment with SA5 during this meeting, this has an impact on existing products.

Ericsson warned that keys would be exposed in the clear.

**Decision:** The document was **revised to S3-243696**.

**S3-243696 LS on Masking of cryptographic keys in UE trace file from 3GPP core network entities**

*Type: LS out For: -  
 to SA5  
 Source: Ericsson*

(Replaces S3-243153)

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

**S3-242762 TCG progress - report from TCG rapporteur**

*Type: other For: Information  
 Source: InterDigital Communications*

**Abstract:**

This contribution provides a brief incremental summary of the progress in TCG Working Groups as of August 2024.

**Discussion:**

Publication of new or revised deliverables (incremental changes from the status reported at SA3#116)

• Published:

• TCG PC Client Reference Integrity Manifest Specification

https://trustedcomputinggroup.org/wp-content/uploads/TCG-PC-Client-Reference-Integrity-Manifest-Specification-Version-1.1-Revision-11\_pub.pdf

• TCG Reference Integrity Manifest (RIM) Information Model

https://trustedcomputinggroup.org/wp-content/uploads/TCG-Reference-Integrity-Manifest-RIM-Information-Model-Version-1.1-Revision-1.0\_pub.pdf

• Overview of TCG Technologies for Device Identification and Attestation

https://trustedcomputinggroup.org/wp-content/uploads/Overview-of-TCG-Technologies-for-Device-Identification-and-Attestation-Version-1.0-Revision-1.39.pdf

• In public review:

• TCG Storage Security Subsystem Class (SSC):

https://trustedcomputinggroup.org/wp-content/uploads/TCG-Storage-Security-Subsystem-Class-SSC-Opal-Version-2.30-Revision-0.21\_30July24.pdf

• TCG TPM Vendor ID Registry

https://trustedcomputinggroup.org/wp-content/uploads/TCG-TPM-Vendor-ID-Registry-Family-1.2-and-2.0-Version-1.07-Revision-0.02\_16July24.pdf

• TCG EK Credential Profile for TPM Family 2.0; Level 0

https://trustedcomputinggroup.org/wp-content/uploads/TCG-EK-Credential-Profile-for-TPM-Family-2.0-Level-0-Version-2.6-Revision-23\_16July24.pdf

• TCG OID Registry

https://trustedcomputinggroup.org/wp-content/uploads/TCG-OID-Registry-Version-1.00-Revision-0.74\_10July24.pdf

• TCG PC Client Platform

TPM Profile Specification for TPM 2.0

https://trustedcomputinggroup.org/wp-content/uploads/TCG-PC-Client-Platform-TPM-Profile-for-TPM-2.0-Version-1.06-Revision-32\_5April24.pdf

2. Meetings:

• TCG Members Meeting Hybrid F2F (Boston, MA, USA) – 28 – 31 October

• MP WG meets every Monday at 10-11 ET

• TMS WG meets every Monday and Friday at 12-13 ET

• CyRes WG meets every Wednesday at 11-12:30 ET

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

**S3-242728 Reply LS on GSMA OPG PRDs publication**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S5-243436*

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

**S3-242729 Reply LS on clarifications on consent management**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-242504*

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

**S3-242731 Reply LS on ECS Configuration Information**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S6-242733*

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

**S3-242720 Reply LS on ECS Configuration Information**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2406888*

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

**S3-242711 Reply LS on N32-f N32-c correlation**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C4-242393*

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

**S3-242707 Reply LS on LS reply on LCS user plane connection binding to the UE**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C1-243934*

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

**S3-242708 Reply to LS on differentiating security materials used for PC5 direct discovery for 5G ProSe UE-to-network relay**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C1-243949*

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

**S3-242709 Reply LS on CAPIF extensibility**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C3-243204*

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

**S3-242722 LS on Clarifications related to User Identities**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2407219*

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

**S3-242726 LS Reply on Internal 5G Core information expose to trusted AF**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: S2-2407354*

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

**S3-242734 Reply LS on GSMA OPG PRDs publication**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: SP-240946*

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

**S3-242735 Reply LS on data plane control by roaming hubs**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: SP-241014*

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

**S3-242736 LS on Security considerations for MPQUIC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: SP-241015*

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

**S3-242738 Reply LS on enhancement to the protocol stack of IMS Data Channel**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: s3i240475*

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

**S3-242739 Reply LS to SA2 on User Identities and Authentication Architecture**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: s3i240476*

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

**S3-242740 Reply LS to SA2 on FS\_5GSAT\_Ph3\_ARCH conclusions**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: s3i240477*

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

**S3-242756 LS reply on LS on support of SSIM on eUICC**

*Type: LS in For: (not specified)  
 Original outgoing LS: -, to -, cc -  
 Source: C6-240261*

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

**S3-242757 Reply LS on Security Considerations for MPQUIC**

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

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

**S3-243096 Reply LS on security considerations for 5G ProSe multi-hop relays**

*Type: LS out For: Approval  
 to SA2  
 Source: Huawei, HiSilicon*

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

**S3-243559 Reply LS on security considerations for 5G ProSe multi-hop relays**

*Type: LS out For: Approval  
 to SA2  
 Source: Huawei, HiSilicon*

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

**S3-243256 Reply LS on security considerations for 5G ProSe multi-hop relays**

*Type: LS out For: Approval  
 to SA2  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-243307 LS Reply to LS on security considerations for 5G ProSe multi-hop relays**

*Type: LS out For: Approval  
 to SA2  
 Source: Ericsson*

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

**S3-243331 reply LS on security considerations for 5G ProSe multi-hop relays**

*Type: LS out For: Approval  
 to SA2  
 Source: Qualcomm Incorporated*

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

**S3-243390 LS reply to 3GPP Reply-LS on PQC Migration**

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

**Discussion:**

It was commented that SAGE should do the analysis for SA3. The Chair proposed an Lsout to SAGE since there was no agreement on whether the algorithms were really quantum safe. Ericsson commented that SA3 had already provided a response and there was no need to reopen the discussions just because there were doubts outside 3GPP.

NIST commented that they had published on their website that the algorithms were quantum safe.

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

**S3-243393 Newly published data channel GSMA PRD TS.66**

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

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

**S3-243394 Version 2.0 of 256-bit AICI.**

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

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

**S3-243402 LS on security visibility for user or application**

*Type: LS out For: Approval  
 to GSMA Device Security Group (DSG), GSMA DG  
 Source: Google*

**Discussion:**

Huawei didn’t agree with sending this LS.

Ericsson didn’t agree with sending this LS either. Operator policies or regulation may be behind

Nokia didn’t support this LS either.

NTT-Docomo: only the first topic in the actions should be addressed to GSMA, but not formulated as a question.

Google: we have something described very clearly in the spec but that is not implemented correctly. GSMA could at least give some awareness.

GSMA DG is also concerned about this.

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

**S3-243409 Discussion for LS S2-2407236 on User Identities**

*Type: discussion For: Information  
 Source: Interdigital*

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

#### 4.1.1 Security Assurance

**S3-242760 UE Security Testing**

*Type: discussion For: Discussion  
 Source: BSI (DE)*

**Discussion:**

BSI commented that this would not overlap with RAN5 conformance testing, this was related to security testing in the UE.

Nokia preferred to have a separate SCAS document, not to do it in RAN5.

Ericsson preferred to treat this offline. It wasn’t clear how the testing would differ from what was being done in RAN5.

Qualcomm preferred to have this in RAN5.

NTT-Docomo: RAN5 testing has a well established process, maybe they can have a security specific annex.

Samsung didn’t agree with having this in a new specification in SA3.

The Chair commented that it was not up to SA3 to make a decision on the testing in the UE since it was in the domain of RAN5, but this could be discussed further.

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

#### 4.1.2 Service Based Architecture

**S3-243160 Validation of the allowed slices in the access token request at NRF**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2039 Cat: F (Rel-18)  
  
 Source: Ericsson*

**Discussion:**

Huawei and Nokia wanted some rewording.

Nokia: when NF not registered into the NRF, how is it dealt with?

**Decision:** The document was **revised to S3-243682**.

**S3-243682 Validation of the allowed slices in the access token request at NRF**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2039 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson,Nokia*

(Replaces S3-243160)

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

**S3-243161 Validation of the requested slices at NF service producer**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2040 Cat: F (Rel-18)  
  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243683**.

**S3-243683 Validation of the requested slices at NF service producer**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2040 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson,Nokia*

(Replaces S3-243161)

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

**S3-243162 Discussion on the NF consumer PLMN ID check**

*Type: discussion For: Endorsement  
 Source: Ericsson*

**Discussion:**

Huawei, Nokia needed more time to analise this.

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

#### 4.1.3 Security Aspects of Proximity based services in 5GS ProSe

**S3-242876 Add clarification on encryption operation for PC5 ProSe discovery**

*Type: CR For: Agreement  
 33.503 v17.8.0 CR-0204 Cat: F (Rel-17)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-242877 Add clarification on encryption operation for PC5 ProSe discovery**

*Type: CR For: Agreement  
 33.503 v18.3.0 CR-0205 Cat: A (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-243350 Emergency Service over UE-to-Network relay - PEI status check**

*Type: CR For: Approval  
 33.503 v18.3.0 CR-0206 Cat: F (Rel-18)  
  
 Source: Philips International B.V.*

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

**S3-243383 Emergency Service over UE-to-Network relay - PEI status check**

*Type: CR For: Approval  
 33.503 v18.3.0 CR-0207 Cat: F (Rel-18)  
  
 Source: Philips International B.V*

**Discussion:**

Nokia: we don’t check the PEI in emergency calls.

Qualcomm: no need to check the PEI.

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

#### 4.1.4 Mission Critical

#### 4.1.5 Authentication and key management for applications based on 3GPP credential in 5G

**S3-242904 CR to update AKMA service disable procedure**

*Type: CR For: Agreement  
 33.535 v18.4.0 CR-0216 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-242952 AKMA API Name correction along with other editorial corrections**

*Type: CR For: Agreement  
 33.535 v18.4.0 CR-0217 Cat: F (Rel-18)  
  
 Source: Nokia*

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

**S3-242953 AAnF Providing VPLMN Id to AF**

*Type: CR For: Agreement  
 33.535 v18.4.0 CR-0218 Cat: F (Rel-18)  
  
 Source: Nokia,*

**Discussion:**

Huawei didn’t agree with this.

China Mobile needed some clarifications.

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

**S3-243053 update to AKMA service disabling**

*Type: CR For: Agreement  
 33.535 v18.4.0 CR-0219 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

Overlapping with S3-242904.

Ericsson: can this be solved in CT groups?

Nokia: CT is not addressing this in their specs.

**Decision:** The document was **revised to S3-243413**.

**S3-243413 update to AKMA service disabling**

*Type: CR For: Agreement  
 33.535 v18.4.0 CR-0219 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-243053)

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

**S3-243159 Editorial correction for AKMA procedures**

*Type: CR For: Approval  
 33.535 v18.4.0 CR-0220 Cat: F (Rel-18)  
  
 Source: LG Electronics*

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

#### 4.1.6 Enhancements to User Plane Integrity Protection Support in 5GS

#### 4.1.7 Security Aspects of Enhancements for 5G Multicast-Broadcast Services

#### 4.1.8 Security for enhanced support of Industrial IoT

#### 4.1.9 Security Aspects of eNPN

**S3-243097 Resolution of EN concerning the content of AN-parameters.**

*Type: CR For: Approval  
 33.501 v18.6.0 CR-2038 Cat: F (Rel-18)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson, Huawei, HiSilicon, ZTE*

**Decision:** The document was **revised to S3-243405**.

**S3-243405 CR resubmission - the content of AN-parameters**

*Type: CR For: Approval  
 33.501 v18.6.0 CR-2038 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-243097)

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

#### 4.1.10 Security Aspects of Enhancement of Support for Edge Computing in 5GC

#### 4.1.11 Security aspects of Uncrewed Aerial Systems

#### 4.1.12 Security Aspects of Ranging Based Services and Sidelink Positioning

**S3-243265 Completing the Privacy Check of n UEs for Service Exposure to Client UE**

*Type: CR For: Agreement  
 33.533 v18.3.0 CR-0076 Cat: F (Rel-18)  
  
 Source: Xiaomi, OPPO, Phillips*

**Decision:** The document was **revised to S3-243684**.

**S3-243684 Completing the Privacy Check of n UEs for Service Exposure to Client UE**

*Type: CR For: Agreement  
 33.533 v18.3.0 CR-0076 rev 1 Cat: F (Rel-18)  
  
 Source: Xiaomi, OPPO, Phillips*

(Replaces S3-243265)

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

#### 4.1.13 Security Aspects of eNA.

**S3-243064 Correct the Federal Learning procedure**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2036 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

Ericsson only agreed with one change.

**Decision:** The document was **revised to S3-243414**.

**S3-243414 Correct the Federal Learning procedure**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2036 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-243064)

**Discussion:**

Leaving only the agreed change with Ericsson.

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

**S3-243067 Update procedure Security for AI/ML model storage and sharing in TS 33.501**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2037 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

Nokia disagreed. CT4 solved this already.

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

#### 4.1.14 Modified PRINS for roaming service providers in 5G

**S3-242778 Trust anchoring for N32-f/PRINS**

*Type: CR For: Decision  
 33.501 v18.6.0 CR-2031 Cat: B (Rel-18)  
  
 Source: BSI (DE)*

**Abstract:**

While trust anchoring for N32-c is specified, it is not specified for N32-f/PRINS. This is, among other things, due to the lack of PLMN-IDs in TLS certificates associated with Roaming Intermediaries. Moreover, checking that a given N32-f connection (both

**Decision:** The document was **revised to S3-242822**.

**S3-242822 Trust anchoring for N32-f/PRINS**

*Type: CR For: Decision  
 33.501 v18.6.0 CR-2031 rev 1 Cat: B (Rel-18)  
  
 Source: Federal Office for Information Security (BSI), Nokia*

(Replaces S3-242778)

**Abstract:**

While trust anchoring for N32-c is specified, it is not specified for N32-f/PRINS. This is, among other things, due to the lack of PLMN-IDs in TLS certificates associated with Roaming Intermediaries. Moreover, checking that a given N32-f connection (both

**Decision:** The document was **revised to S3-242823**.

**S3-242823 Trust anchoring for N32-f/PRINS**

*Type: CR For: Decision  
 33.501 v18.6.0 CR-2031 rev 2 Cat: B (Rel-18)  
  
 Source: Federal Office for Information Security (BSI), Nokia*

(Replaces S3-242822)

**Abstract:**

While trust anchoring for N32-c is specified, it is not specified for N32-f/PRINS. This is, among other things, due to the lack of PLMN-IDs in TLS certificates associated with Roaming Intermediaries. Moreover, checking that a given N32-f connection (both

**Discussion:**

Huawei didn’t agree with this. They also added that as a new feature it should be addressed in Rel-19.

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

#### 4.1.15 All other maintenance topics (not listed above)

**S3-242742 UPU Header Security**

*Type: CR For: Approval  
 33.501 v18.6.0 CR-2046 Cat: F (Rel-18)  
  
 Source: Lenovo*

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

**S3-242743 Discussion paper on UPU Security and related header protection**

*Type: discussion For: (not specified)  
 Source: Lenovo*

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

**S3-243316 Discussion on protecting header information in UPU**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated, Vivo, Oppo*

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

**S3-242950 Discussion paper of UPU implementation gaps**

*Type: discussion For: Information  
 Source: Nokia*

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

**S3-243317 Protection of UPU header**

*Type: draftCR For: Approval  
 33.501 v18.6.0  
 Source: Qualcomm Incorporated, Vivo, Oppo*

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

**S3-242951 Enhancement in UPU procedure to protect UPU header**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2034 Cat: F (Rel-18)  
  
 Source: Nokia*

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

**S3-242761 MPQUIC TLS Annex**

*Type: CR For: (not specified)  
 33.501 v18.6.0 CR-2030 Cat: B (Rel-18)  
  
 Source: Intel Technology India Pvt Ltd*

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

**S3-242964 MPQUIC TLS Annex**

*Type: CR For: (not specified)  
 33.501 v18.6.0 CR-2035 Cat: F (Rel-18)  
  
 Source: Intel, Nokia, Charter Communications,*

**Decision:** The document was **revised to S3-243415**.

**S3-243415 MPQUIC TLS Annex**

*Type: CR For: -  
 33.501 v18.6.0 CR-2035 rev 1 Cat: B (Rel-18)  
  
 Source: Intel, Nokia, Charter Communications,*

(Replaces S3-242964)

**Discussion:**

MCC: this should be cat-B for Rel-19, no new features are allowed in Rel-18.

IT was commented that this was aligning with SA2.

MCC added that this should be cat-B and it may be discussed in Plenary. It was commented that SA2 had made this change recently.

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

**S3-242831 Correction to validation of usage of X.509 certificate procedure**

*Type: CR For: (not specified)  
 33.310 v19.1.0 CR-0202 Cat: A (Rel-19)  
  
 Source: Nokia, Nokia Shanghai Bell, Ericsson, Johns Hopkins University APL, Cisco, Huawei*

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

**S3-242832 Updates to the SBA certificate profile**

*Type: CR For: (not specified)  
 33.310 v19.1.0 CR-0203 Cat: A (Rel-19)  
  
 Source: Nokia, Johns Hopkins University APL, Cisco, Ericsson*

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

**S3-243181 Editorials on updates to the SBA certificate profile**

*Type: CR For: (not specified)  
 33.310 v18.4.0 CR-0204 Cat: F (Rel-18)  
  
 Source: Nokia, Ericsson*

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

**S3-243416 Editorials on updates to the SBA certificate profile**

*Type: CR For: -  
 33.310 v19.1.0 CR-0204 rev 1 Cat: A (Rel-19)  
  
 Source: Nokia, Ericsson*

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

**S3-242843 Supplementary on Solution #6: Collection of security related log data of NFs via DCCF**

*Type: CR For: Approval  
 33.738 v18.1.0 CR-0005 Cat: B (Rel-18)  
  
 Source: China Mobile Com. Corporation*

**Discussion:**

Huawei: not in scope of eNA. It's also an additional feature for Rel-18, it's frozen.Nokia supported this.

MCC: cover page issues.

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

**S3-242905 Message name correction to TS 33.501**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2033 Cat: F (Rel-18)  
  
 Source: ZTE Corporation*

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

**S3-242949 Discussion paper reauthentication via untrusted non 3GPP access**

*Type: discussion For: Endorsement  
 Source: Nokia*

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

**S3-243047 Adding the requirement of media confidentiality protection for IMS data channel**

*Type: CR For: Agreement  
 33.328 v18.1.0 CR-0078 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Discussion:**

Apple didn’t agree with this CR.

Nokia didn’t agree with the first change and the second change was not needed.

China Mobile: the reply LS depends on this CR.

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

**S3-243048 Replacing DCMF with MF**

*Type: CR For: Agreement  
 33.328 v18.1.0 CR-0079 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243417**.

**S3-243417 Replacing DCMF with MF**

*Type: CR For: Agreement  
 33.328 v18.1.0 CR-0079 rev 1 Cat: F (Rel-18)  
  
 Source: Huawei, HiSilicon*

(Replaces S3-243048)

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

**S3-243177 Incorrect statements about 33.310**

*Type: CR For: Agreement  
 33.401 v15.11.0 CR-0719 Cat: F (Rel-15)  
  
 Source: Ericsson*

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

**S3-243178 Incorrect statements about 33.310**

*Type: CR For: Agreement  
 33.401 v16.3.0 CR-0720 Cat: A (Rel-16)  
  
 Source: Ericsson*

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

**S3-243179 Incorrect statements about 33.310**

*Type: CR For: Agreement  
 33.401 v17.5.0 CR-0721 Cat: A (Rel-17)  
  
 Source: Ericsson*

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

**S3-243180 Incorrect statements about 33.310**

*Type: CR For: Agreement  
 33.401 v18.1.0 CR-0722 Cat: A (Rel-18)  
  
 Source: Ericsson*

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

**S3-243185 SCPAC: Secondary Node key update for SCPAC**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2043 Cat: F (Rel-18)  
  
 Source: Ericsson*

**Discussion:**

Apple: better add a note instead of this new text.

MCC clarified that legacy CPAC already referred to pre-Rel-18 and mentioning Rel-17 was not needed.

**Decision:** The document was **revised to S3-243418**.

**S3-243418 SCPAC: Secondary Node key update for SCPAC**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2043 rev 1 Cat: F (Rel-18)  
  
 Source: Ericsson*

(Replaces S3-243185)

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

**S3-242785 Supplementary on Solution #6: Collection of security related log data of NFs via DCCF**

*Type: CR For: Approval  
 33.738 v18.1.0 CR-0003 Cat: B (Rel-18)  
  
 Source: BSI (DE)*

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

**S3-242842 Supplementary on Solution #6: Collection of security related log data of NFs via DCCF**

*Type: CR For: Approval  
 33.738 v18.1.0 CR-0004 Cat: B (Rel-18)  
  
 Source: BSI (DE)*

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

### 4.2 WID on 5G Security Assurance Specification (SCAS) for the Unified Data Repository (UDR).

**S3-242759 Add specific UDR SCAS test cases for TS 33.530**

*Type: pCR For: Approval  
 33.530 v0.1.0  
 Source: BSI (DE)*

**Decision:** The document was **revised to S3-243419**.

**S3-243419 Add specific UDR SCAS test cases for TS 33.530**

*Type: pCR For: Approval  
 33.530 v0.1.0  
 Source: BSI (DE)*

(Replaces S3-242759)

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

**S3-242769 Refinement of UDR security requirements**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

BSI: unnecessary.

Ericsson also found this CR unnecessary.

This was taken offline.

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

### 4.3 WID on SCAS for Rel-18 features on existing functions.

### 4.4 WID on 5G Security Assurance Specification (SCAS) for the Short Message Service Function (SMSF).

**S3-243285 Discussion on SS7/MAP interface at SMSF to define MAP filtering and protection requirements for Security Assurance Specifications for SMSF**

*Type: discussion For: Discussion  
 33.529 v..  
 Source: IIT Bombay*

**Abstract:**

This paper provides insights into the external threats to the SS7/MAP interface of SMSF resulting in new test cases of filtering and protection.

**Discussion:**

Ericsson wondered whether this was introducing new requirements.

IIT Bombay: no new requirements are introduced, as stated in section 5.2.

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

**S3-243289 Protection requirements on Map interface for Security Assurance Specifications for SMSF**

*Type: pCR For: Approval  
 33.529 v0.5.0  
 Source: IIT Bombay*

**Abstract:**

This contribution proposes to add a test case in the TS draft 33.529 with protection requirements on SMSF specific Map/SS7 interface and also to include the relevant reference

**Decision:** The document was **revised to S3-243420**.

**S3-243420 Protection requirements on Map interface for Security Assurance Specifications for SMSF**

*Type: pCR For: Approval  
 33.529 v0.5.0  
 Source: IIT Bombay*

(Replaces S3-243289)

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

**S3-243292 Filtering requirements on Map interface for Security Assurance Specifications for SMSF**

*Type: pCR For: Approval  
 33.529 v0.5.0  
 Source: IIT Bombay*

**Abstract:**

This contribution proposes to add a test case in the TS draft 33.529 with filtering requirements on SMSF specific SS7 interface and also to include the relevant reference.

**Decision:** The document was **revised to S3-243685**.

**S3-243685 Filtering requirements on Map interface for Security Assurance Specifications for SMSF**

*Type: pCR For: Approval  
 33.529 v0.5.0  
 Source: IIT Bombay*

(Replaces S3-243292)

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

**S3-243312 New clause on protection of Map interface in annexure to Security Assurance Specification (SCAS) threats specific to SMSF**

*Type: draftCR For: Approval  
 33.926 v19.1.0  
 Source: IIT Bombay*

**Abstract:**

A clause on threats related to Map-based SS7 interface of SMSF is added

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

**S3-243314 New clause on Map-based SS7 interface filtering in annexure to Security Assurance Specification (SCAS) threats specific to SMSF**

*Type: draftCR For: Approval  
 33.926 v19.1.0  
 Source: IIT Bombay*

**Abstract:**

A clause on threats related to Map interface of SMSF is added

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

**S3-243315 Minor additions/modifications for draft TS 33.529**

*Type: pCR For: Approval  
 33.529 v0.5.0  
 Source: IIT Bombay*

**Abstract:**

This contribution proposes to remove some editor’s notes and minor additions/modifications in the TS draft 33.529 for providing clarification in some clauses

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

**S3-243363 Security for Map-based SS7 interface**

*Type: CR For: Approval  
 33.501 v18.6.0 CR-2045 Cat: F (Rel-18)  
  
 Source: IIT Bombay*

**Abstract:**

New text on securing the Map-based SS7 interface (which is missing from 33.501) is added in a void clause 9.6

**Discussion:**

Huawei: this is captured already in the non-SBA interfaces clause.

MCC: is this CR under the scope of the WID?

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

**S3-243421 Draft TS 33.529**

*Type: draft TS For: Approval  
 33.529 v0.6.0  
 Source: approved*

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

**S3-243686 Cover page TS 33.529**

*Type: TS or TR cover For: Approval  
 33.529 v..  
 Source: IIT Bombay*

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

**S3-243701 Living document for SMSF SCAS**

*Type: draftCR For: Approval  
 33.926 v19.1.0  
 Source: IIT Bombay*

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

**S3-243702 Security Assurance Specification (SCAS) threats specific to SMSF**

*Type: CR For: Agreement  
 33.926 v19.1.0 CR-0099 Cat: B (Rel-19)  
  
 Source: IIT Bombay*

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

### 4.5 WID on Addition of 256-bit security Algorithms.

### 4.6 WID on mission critical security enhancements for release 19

**S3-242763 [MCXSec4] 33180 R19 MC Recording Server Introduction**

*Type: CR For: Agreement  
 33.180 v18.1.0 CR-0212 Cat: C (Rel-19)  
  
 Source: Airbus*

**Discussion:**

Airbus commented that SA6 was still discussing the topic so this has to be postponed depending on their progress.

**Decision:** The document was **revised to S3-243717**.

**S3-243717 [MCXSec4] 33180 R19 MC Recording Server Introduction**

*Type: CR For: Agreement  
 33.180 v18.1.0 CR-0212 rev 1 Cat: C (Rel-19)  
  
 Source: Airbus*

(Replaces S3-242763)

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

### 4.7 WID on Addition of Milenage-256 algorithm

**S3-242975 Revised WID on Milenage-256 algorithm**

*Type: WID revised For: Agreement  
 Source: THALES, IDEMIA*

**Abstract:**

Revised WID on Milenage-256 algorithm

**Discussion:**

TS 35.237 would need to be withdrawn after the next TSG.

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

**S3-242977 Selection of the option**

*Type: discussion For: Endorsement  
 Source: THALES*

**Abstract:**

Selection of the option to specify Milenage-256 algorithm

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

**S3-242979 Content of TR 35.234**

*Type: pCR For: Approval  
 35.234 v0.1.0  
 Source: THALES*

**Abstract:**

Content of TR 35.234

**Decision:** The document was **revised to S3-243422**.

**S3-243422 Content of TS 35.234**

*Type: pCR For: Approval  
 35.234 v0.1.0  
 Source: THALES*

(Replaces S3-242979)

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

**S3-242980 Content of TS 35.235**

*Type: pCR For: Approval  
 35.235 v0.1.0  
 Source: THALES*

**Abstract:**

Content of TR 35.235

**Decision:** The document was **revised to S3-243423**.

**S3-243423 Content of TS 35.235**

*Type: pCR For: Approval  
 35.235 v0.1.0  
 Source: THALES*

(Replaces S3-242980)

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

**S3-242982 Content of TS 35.236**

*Type: pCR For: Approval  
 35.236 v0.1.0  
 Source: THALES*

**Abstract:**

Content of TR 35.236

**Decision:** The document was **revised to S3-243424**.

**S3-243424 Content of TS 35.236**

*Type: pCR For: Approval  
 35.236 v0.1.0  
 Source: THALES*

(Replaces S3-242982)

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

**S3-243425 Draft TS 35.234**

*Type: draft TS For: Approval  
 35.234 v0.2.0  
 Source: Thales*

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

**S3-243426 Draft TS 35.235**

*Type: draft TS For: Approval  
 35.235 v0.2.0  
 Source: Thales*

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

**S3-243427 Draft TS 35.236**

*Type: draft TS For: Approval  
 35.236 v0.2.0  
 Source: Thales*

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

### 4.8 WID on 3GPP profiles for cryptographic algorithms and security protocols

**S3-243176 Forbid insecure usage of aes-gcm and aes-gmac**

*Type: other For: Approval  
 Source: Ericsson*

**Discussion:**

Huawei didn’t agree with this. No hurry to do this.

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

**S3-243056 update to the support of ESP encryption transforms in TS 33.210**

*Type: other For: Approval  
 33.210 v..  
 Source: Huawei, HiSilicon*

**Discussion:**

Nokia: RFC says should, why are we saying may here?

Huawei: there are other mechanisms.

Cisco: a Should in IETF is like a must under certain conditions.

**Decision:** The document was **revised to S3-243719**.

**S3-243719 update to the support of ESP encryption transforms in TS 33.210**

*Type: other For: Approval  
 33.210 v..  
 Source: Huawei, HiSilicon*

(Replaces S3-243056)

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

**S3-243173 Updating baseline of living document to 33.203 with content of the latest version of TS 33.203**

*Type: other For: Approval  
 Source: Ericsson*

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

**S3-243174 Updating baseline of living document to 33.310 with content of the latest version of TS 33.310**

*Type: other For: Approval  
 Source: Ericsson*

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

**S3-243175 Updating baseline of living document to 33.501 with content of the latest version of TS 33.501**

*Type: other For: Approval  
 Source: Ericsson*

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

**S3-242781 Living document for CryptoSP: draftCR to TS 33.501, Updates to cryptographic profiles**

*Type: draftCR For: Approval  
 33.501 v18.6.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243428**.

**S3-243428 Living document for CryptoSP: draftCR to TS 33.501, Updates to cryptographic profiles**

*Type: draftCR For: Approval  
 33.501 v18.6.0  
 Source: Ericsson*

(Replaces S3-242781)

**Discussion:**

The content of these draftCRs (S3-243428, S3-243429, S3-243430, and S3-243430) is considered frozen and hence not subject to any further changes except the new statements deprecating cryptographic primitives. The intention is to give companies enough time and stable versions of the changes to check such statements internally. In case of no challenge in this (SA3#118, SA3#119) meeting cycle, the draftCRs are to be converted to CRs and agreed in SA3#119

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

**S3-242782 Living document for CryptoSP: draftCR to TS 33.210, Updates to cryprographic profiles**

*Type: draftCR For: Approval  
 33.210 v18.1.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243429**.

**S3-243429 Living document for CryptoSP: draftCR to TS 33.210, Updates to cryprographic profiles**

*Type: draftCR For: Approval  
 33.210 v18.1.0  
 Source: Ericsson*

(Replaces S3-242782)

**Discussion:**

The content of these draftCRs (S3-243428, S3-243429, S3-243430, and S3-243430) is considered frozen and hence not subject to any further changes except the new statements deprecating cryptographic primitives. The intention is to give companies enough time and stable versions of the changes to check such statements internally. In case of no challenge in this (SA3#118, SA3#119) meeting cycle, the draftCRs are to be converted to CRs and agreed in SA3#119

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

**S3-242783 Living document for CryptoSP: draftCR to TS 33.310, Updates to cryptographic profiles**

*Type: draftCR For: Approval  
 33.310 v19.1.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243430**.

**S3-243430 Living document for CryptoSP: draftCR to TS 33.310, Updates to cryptographic profiles**

*Type: draftCR For: Approval  
 33.310 v19.1.0  
 Source: Ericsson*

(Replaces S3-242783)

**Discussion:**

The content of these draftCRs (S3-243428, S3-243429, S3-243430, and S3-243430) is considered frozen and hence not subject to any further changes except the new statements deprecating cryptographic primitives. The intention is to give companies enough time and stable versions of the changes to check such statements internally. In case of no challenge in this (SA3#118, SA3#119) meeting cycle, the draftCRs are to be converted to CRs and agreed in SA3#119

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

**S3-242784 Living document for CryptoSP: draftCR to TS 33.203, Updates to cryptographic profiles**

*Type: draftCR For: Approval  
 33.203 v18.1.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243431**.

**S3-243431 Living document for CryptoSP: draftCR to TS 33.203, Updates to cryptographic profiles**

*Type: draftCR For: Approval  
 33.203 v18.1.0  
 Source: Ericsson*

(Replaces S3-242784)

**Discussion:**

Content is declared stable.

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

### 4.9 WID on security aspects of the 5GMSG Service phase 3

**S3-243235 Adding description of non-MSGin5G UE scenarios**

*Type: draftCR For: Approval  
 33.501 v18.6.0  
 Source: China Mobile*

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

**S3-243236 Living document of security aspects of MSGin5G service Ph3**

*Type: draftCR For: Approval  
 33.501 v18.6.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-243432**.

**S3-243432 Living document of security aspects of MSGin5G service Ph3**

*Type: draftCR For: Approval  
 33.501 v18.6.0  
 Source: China Mobile*

(Replaces S3-243236)

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

**S3-243433 CR for living document TITLE TO BE PROVIDED BY CMCC**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2047 Cat: B (Rel-19)  
  
 Source: China Mobile*

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

### 4.10 R19 SCAS WID

**S3-242770 Test Case on No Default Content**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-243435**.

**S3-243435 Test Case on No Default Content**

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

(Replaces S3-242770)

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

**S3-242771 Test Case on No Directory Listings**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Discussion:**

Ericsson: this looks like some kind of black box testing.

**Decision:** The document was **revised to S3-243436**.

**S3-243436 Test Case on No Directory Listings**

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

(Replaces S3-242771)

**Discussion:**

Incorporating changes from BSI CR in S3-242973

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

**S3-242772 Test Case on No Web Server Header Info**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-243687**.

**S3-243687 Test Case on No Web Server Header Info**

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

(Replaces S3-242772)

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

**S3-242773 Test Case on No Web Server Error Pages Info**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-243437**.

**S3-243437 Test Case on No Web Server Error Pages Info**

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

(Replaces S3-242773)

**Discussion:**

Incorporates the content of the CR S3-242974 from BSI.

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

**S3-242774 Test Case on No Web Server File Type Mappings**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-243688**.

**S3-243688 Test Case on No Web Server File Type Mappings**

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

(Replaces S3-242774)

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

**S3-242968 Editorial Correction of TC\_NO\_SYSTEM\_PRIVILEGES\_WEB\_SERVER**

*Type: CR For: (not specified)  
 33.117 v18.3.0 CR-0191 Cat: D (Rel-19)  
  
 Source: BSI (DE)*

**Discussion:**

The content will go to the living document in 3434.

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

**S3-242970 Clarification on TC\_NO\_CGI\_OR\_SCRIPTING\_FOR\_UPLOADS**

*Type: CR For: (not specified)  
 33.117 v18.3.0 CR-0192 Cat: F (Rel-19)  
  
 Source: BSI (DE)*

**Discussion:**

The content will go to the living document in 3434.

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

**S3-242972 Clarification on TC\_ACCESS\_RIGHTS\_WEB\_SERVER\_FILES**

*Type: CR For: (not specified)  
 33.117 v18.3.0 CR-0193 Cat: F (Rel-19)  
  
 Source: BSI (DE)*

**Discussion:**

The content will go to the living document in 3434.

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

**S3-242973 Clarification on TC\_NO\_DIRECTORY\_LISTINGS**

*Type: CR For: (not specified)  
 33.117 v18.3.0 CR-0194 Cat: F (Rel-19)  
  
 Source: BSI (DE)*

**Discussion:**

The content will go to the living document in 3434.

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

**S3-242974 Clarification on TC\_NO\_WEB\_SERVER\_ERROR\_PAGES\_INFORMATION**

*Type: CR For: (not specified)  
 33.117 v18.3.0 CR-0195 Cat: F (Rel-19)  
  
 Source: BSI (DE)*

**Discussion:**

The content will go to the living document in 3434.

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

**S3-242976 Clarification on TC\_BVT\_PORT\_SCANNING**

*Type: CR For: (not specified)  
 33.117 v18.3.0 CR-0196 Cat: F (Rel-19)  
  
 Source: BSI (DE)*

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

**S3-242978 Removal of boiler plate texts in format of evidence**

*Type: CR For: (not specified)  
 33.117 v18.3.0 CR-0197 Cat: F (Rel-19)  
  
 Source: BSI (DE)*

**Decision:** The document was **revised to S3-243661**.

**S3-243661 Removal of boiler plate texts in format of evidence**

*Type: CR For: -  
 33.117 v18.3.0 CR-0197 rev 1 Cat: F (Rel-19)  
  
 Source: BSI (DE)*

(Replaces S3-242978)

**Discussion:**

The content was agreed but it will be included as an input to the living document in S3-243434.

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

**S3-242981 Add UDM SCAS test case for checking the authentication verification of a synchronization failure message**

*Type: CR For: (not specified)  
 33.514 v18.3.0 CR-0031 Cat: F (Rel-19)  
  
 Source: BSI (DE)*

**Decision:** The document was **revised to S3-243029**.

**S3-243029 Add UDM SCAS test case for checking the authentication verification of a synchronization failure message**

*Type: CR For: (not specified)  
 33.514 v18.3.0 CR-0031 rev 1 Cat: F (Rel-19)  
  
 Source: BSI (DE)*

(Replaces S3-242981)

**Discussion:**

Huawei asked to discuss it in the next meeting.

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

**S3-243112 Expired certificate checking at gNB to TS 33.511**

*Type: draftCR For: Approval  
 33.511 v18.3.0  
 Source: Huawei, HiSilicon,CAICT,CTCC, Nokia*

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

**S3-243113 Peer certificate checking at gNB to TS 33.511**

*Type: draftCR For: Approval  
 33.511 v18.3.0  
 Source: Huawei, HiSilicon,CAICT,CTCC, Nokia*

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

**S3-243114 Add threat to expired certificate checking at gNB**

*Type: draftCR For: Approval  
 33.926 v19.1.0  
 Source: Huawei, HiSilicon*

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

**S3-243115 Add threat to peer certificate checking at gNB**

*Type: draftCR For: Approval  
 33.926 v19.1.0  
 Source: Huawei, HiSilicon*

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

**S3-243281 Test Case for Intra-VNF Communication Interface**

*Type: CR For: Agreement  
 33.527 v18.3.0 CR-0007 Cat: B (Rel-19)  
  
 Source: Ericsson*

**Abstract:**

test case for intra-VNF (inter VNFCI) communication interface

**Discussion:**

Huawei, Nokia: no requirement for this

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

**S3-243403 Remove unnecessary complexity from UDM test case**

*Type: draftCR For: Approval  
 33.514 v18.3.0  
 Source: BSI*

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

**S3-243404 Add an OAuth2.0 test case to check for the absence of an access token**

*Type: draftCR For: Approval  
 33.117 v18.3.0  
 Source: BSI*

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

**S3-243434 Living document for Rel-19 SCAS TS 33.117**

*Type: draftCR For: Approval  
 33.117 v18.3.0  
 Source: Huawei*

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

**S3-243438 Draft CR TR 33.926 SCAS\_5G\_Maint**

*Type: draftCR For: Approval  
 33.926 v19.1.0  
 Source: Huawei*

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

**S3-243439 Draft CR TS 33.511**

*Type: draftCR For: Approval  
 33.511 v18.3.0  
 Source: Huawei*

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

### 4.11 TEI19 topics (restricted to agreed topics only)

**S3-243163 Support iat claim in the access token**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2041 Cat: B (Rel-19)  
  
 Source: Ericsson*

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

**S3-243164 Public key distribution and Issuer claim verification of the Access Token**

*Type: CR For: Agreement  
 33.501 v18.6.0 CR-2042 Cat: B (Rel-19)  
  
 Source: Ericsson*

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

### 4.12 WID on Security aspects of NR mobility enhancement Phase 4

**S3-242816 Discussion on Impact Analysis for Inter-CU LTM**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-242906 Discussion on security handling for inter-CU LTM in non-DC cases**

*Type: discussion For: Discussion  
 Source: ZTE Corporation*

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

**S3-242954 Discussion Paper on Security Key Handling for Inter-CU LTM**

*Type: discussion For: (not specified)  
 Source: Intel Technology India Pvt Ltd*

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

**S3-242995 LTM - Discussion paper on LTM security**

*Type: other For: (not specified)  
 33.701 v..  
 Source: Apple*

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

**S3-243061 discussion paper on LTM solutions**

*Type: discussion For: Endorsement  
 33.501 v..  
 Source: Huawei, HiSilicon*

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

**S3-243194 Discussion on LTM from security perspective**

*Type: discussion For: Discussion  
 Source: Samsung*

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

**S3-243249 Discussion on security handling for inter-CU LTM in non-DC cases**

*Type: discussion For: Discussion  
 Source: OPPO*

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

**S3-243195 Key issue for security aspects of inter-CU LTM**

*Type: other For: Approval  
 Source: Samsung*

**Decision:** The document was **revised to S3-243522**.

**S3-243522 Key issue for security aspects of inter-CU LTM**

*Type: other For: Approval  
 Source: Samsung*

(Replaces S3-243195)

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

**S3-243196 Key issue for authenticity verification of Cell Switch Command**

*Type: other For: Approval  
 Source: Samsung*

**Decision:** The document was **revised to S3-243523**.

**S3-243523 Key issue for authenticity verification of Cell Switch Command**

*Type: other For: Approval  
 Source: Samsung*

(Replaces S3-243196)

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

**S3-242798 1-Hop Forward Security Solution for LTM**

*Type: other For: Approval  
 Source: vivo*

**Decision:** The document was **revised to S3-243524**.

**S3-243524 1-Hop Forward Security Solution for LTM**

*Type: other For: Approval  
 Source: vivo*

(Replaces S3-242798)

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

**S3-242817 Discussion on Potential Solution for Inter-CU LTM**

*Type: discussion For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-242818 Solution for Inter-CU LTM**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-243525**.

**S3-243525 Solution for Inter-CU LTM**

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

(Replaces S3-242818)

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

**S3-242908 NCC synchronization solution for LTM**

*Type: other For: Approval  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-243526**.

**S3-243526 NCC synchronization solution for LTM**

*Type: other For: Approval  
 Source: ZTE Corporation*

(Replaces S3-242908)

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

**S3-242997 LTM - content on living CR - Candidate solution#1**

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

**Decision:** The document was **revised to S3-243527**.

**S3-243527 LTM - content on living CR - Candidate solution#1**

*Type: other For: -  
 Source: Apple*

(Replaces S3-242997)

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

**S3-242998 LTM - content on living CR - Candidate solution#2**

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

**Decision:** The document was **revised to S3-243528**.

**S3-243528 LTM - content on living CR - Candidate solution#2**

*Type: other For: -  
 Source: Apple*

(Replaces S3-242998)

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

**S3-243158 New solution for LTM security handling**

*Type: other For: Approval  
 Source: LG Electronics*

**Decision:** The document was **revised to S3-243529**.

**S3-243529 New solution for LTM security handling**

*Type: other For: Approval  
 Source: LG Electronics*

(Replaces S3-243158)

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

**S3-243197 Solution for security aspects of inter-CU LTM**

*Type: other For: Approval  
 Source: Samsung*

**Decision:** The document was **revised to S3-243530**.

**S3-243530 Solution for security aspects of inter-CU LTM**

*Type: other For: Approval  
 Source: Samsung*

(Replaces S3-243197)

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

**S3-243268 LTM: Solution on Rekeying Sychronization at Handover Completion**

*Type: other For: Approval  
 33.501 v..  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-243531**.

**S3-243531 LTM: Solution on Rekeying Sychronization at Handover Completion**

*Type: other For: Approval  
 33.501 v..  
 Source: Xiaomi Technology*

(Replaces S3-243268)

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

**S3-243330 Fixing the RRC/PDCP anchor for inter-gNB LTM cell switches**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-243532**.

**S3-243532 Fixing the RRC/PDCP anchor for inter-gNB LTM cell switches**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

(Replaces S3-243330)

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

**S3-242907 MAC CE integrity protection solution for LTM**

*Type: other For: Approval  
 Source: ZTE Corporation*

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

**S3-243198 Solution for verifying authenticity of cell switch command**

*Type: other For: Approval  
 Source: Samsung*

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

**S3-243266 LTM: New Solution for Protecting NCC in MAC CE using AS Security Context**

*Type: other For: Approval  
 33.501 v..  
 Source: Xiaomi Technology*

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

**S3-243267 LTM: New Solution for Protecting NCC in MAC CE using C-RNTI**

*Type: other For: Approval  
 33.501 v..  
 Source: Xiaomi Technology*

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

**S3-243199 Conclusion for inter-CU LTM**

*Type: other For: Approval  
 Source: Samsung*

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

**S3-242819 LS on Security Handling for inter-CU LTM in non-DC cases**

*Type: LS out For: (not specified)  
 to 3GPP RAN WG2, cc 3GPP RAN WG3  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-243666**.

**S3-243666 LS on Security Handling for inter-CU LTM in non-DC cases**

*Type: LS out For: -  
 to 3GPP RAN WG2, cc 3GPP RAN WG3  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-242819)

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

**S3-242996 LTM - Reply LS to RAN2 on LTM progress**

*Type: other For: (not specified)  
 33.701 v..  
 Source: Apple*

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

**S3-243193 Living document on NR mobility enhancement**

*Type: draftCR For: Information  
 33.501 v18.6.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243689**.

**S3-243689 Living document on NR mobility enhancement**

*Type: draftCR For: Information  
 33.501 v18.6.0  
 Source: Samsung*

(Replaces S3-243193)

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

### 4.13 WID on Security for mobility over non-3GPP access to avoid full primary authentication

**S3-243326 Discussion on normative solutions for KI#1 and KI#3**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

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

**S3-242744 Security re-establishment for Trusted non-3GPP access**

*Type: draftCR For: (not specified)  
 33.702 v0.3.0  
 Source: Lenovo*

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

**S3-242821 Living document of the Non3GPPMobEnh study**

*Type: draftCR For: Approval  
 33.501 v18.6.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243642**.

**S3-243642 Living document of the Non3GPPMobEnh study**

*Type: draftCR For: Approval  
 33.501 v18.6.0  
 Source: Nokia*

(Replaces S3-242821)

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

**S3-243098 DraftCR for TNAP and TWIF case**

*Type: draftCR For: Approval  
 33.501 v18.6.0  
 Source: Huawei, HiSilicon*

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

**S3-243327 Mobility under a TNGF**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-243641**.

**S3-243641 Mobility under a TNGF**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

(Replaces S3-243327)

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

**S3-243328 Mobility under a TWIF**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

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

**S3-243329 Informative text of using FT for NSWO**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-243643**.

**S3-243643 Informative text of using FT for NSWO**

*Type: other For: Approval  
 Source: Qualcomm Incorporated*

(Replaces S3-243329)

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

### 5.1 Study on enablers for Zero Trust Security

**S3-242815 New Use case proposal for data exposure related to attacks on network slices**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: IRT, Nokia, Nokia Shanghai Bell*

**Abstract:**

This use case proposal is to study the possible data which would need to be exposed towards operator’s security monitoring and evaluation systems to detect possible attacks on network slices.

**Decision:** The document was **revised to S3-243493**.

**S3-243493 New Use case proposal for data exposure related to attacks on network slices**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: IRT, Nokia, Nokia Shanghai Bell*

(Replaces S3-242815)

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

**S3-243087 Evaluation to Use case 4**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243494**.

**S3-243494 Evaluation to Use case 4**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243087)

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

**S3-242899 Addressing EN in Use Case 5**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: U.S. National Security Agency, Johns Hopkins University APL, OTD\_US, MITRE-FFRDC*

**Abstract:**

The EN within TR 33.794, clause 5.1.5.2 states “Editor’s Note: It is FFS whether a NF can determine that something abnormal is happening using only its own collected information.” The NF generating the data points is not meant to individually analyze thes

**Decision:** The document was **revised to S3-243495**.

**S3-243495 Addressing EN in Use Case 5**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: U.S. National Security Agency, Johns Hopkins University APL, OTD\_US, MITRE-FFRDC*

(Replaces S3-242899)

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

**S3-243088 Evaluation to Use case 5**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-242748 Updates to Solution #2**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Lenovo, Johns Hopkins University APL, US National Security Agency*

**Decision:** The document was **revised to S3-243496**.

**S3-243496 Updates to Solution #2**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Lenovo, Johns Hopkins University APL, US National Security Agency*

(Replaces S3-242748)

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

**S3-242749 Updates to Solution#1**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Lenovo, Johns Hopkins University APL, US National Security Agency*

**Decision:** The document was **revised to S3-243497**.

**S3-243497 Updates to Solution#1**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Lenovo, Johns Hopkins University APL, US National Security Agency*

(Replaces S3-242749)

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

**S3-242838 KI#1, Solution #3 Updates: Data Collection**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: OTD\_US, MITRE*

**Abstract:**

This contribution provides updates to KI#1 Solution #3. Multiple editor's notes are resolved, a method to provision data collection policy is added, procedures are cleaned up.

**Decision:** The document was **revised to S3-243365**.

**S3-243365 KI#1, Solution #3 Updates: Data Collection**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: OTD\_US, MITRE*

(Replaces S3-242838)

**Abstract:**

This contribution provides updates to KI#1 Solution #3. Multiple editor's notes are resolved, a method to provision data collection policy is added, procedures are cleaned up.

**Decision:** The document was **revised to S3-243498**.

**S3-243498 KI#1, Solution #3 Updates: Data Collection**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: OTD\_US, MITRE*

(Replaces S3-243365)

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

**S3-243084 Evaluation for solution 3**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243007 EN removal for solution #4**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243499**.

**S3-243499 EN removal for solution #4**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Nokia*

(Replaces S3-243007)

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

**S3-243008 Evaluation for solution #4**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243500**.

**S3-243500 Evaluation for solution #4**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Nokia*

(Replaces S3-243008)

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

**S3-243311 Security Log Management specifications in O-RAN Alliance**

*Type: discussion For: Information  
 Source: Ericsson*

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

**S3-243308 Update and evaluation for Solution #5 "Security log events collection for evaluation and monitoring"**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243501**.

**S3-243501 Update and evaluation for Solution #5 "Security log events collection for evaluation and monitoring"**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Ericsson*

(Replaces S3-243308)

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

**S3-243085 Evaluation for solution 5**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-242869 New solution for KI #1 Data Collection using DCCF**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: MITRE-FFRDC*

**Abstract:**

This solution uses DCCF to collect security data from the SBA.

**Decision:** The document was **revised to S3-243502**.

**S3-243502 New solution for KI #1 Data Collection using DCCF**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: MITRE-FFRDC*

(Replaces S3-242869)

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

**S3-243001 New solution for data collection related to API security risks**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243503**.

**S3-243503 New solution for data collection related to API security risks**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Nokia*

(Replaces S3-243001)

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

**S3-243309 New Solution to Key Issue #1: Using security log events, counters and protocol signaling monitoring**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243504**.

**S3-243504 New Solution to Key Issue #1: Using security log events, counters and protocol signaling monitoring**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Ericsson*

(Replaces S3-243309)

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

**S3-242746 Initial Conclusion to KI#1**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Lenovo, US National Security Agency, MITRE-FFRDC*

**Decision:** The document was **revised to S3-243505**.

**S3-243505 Initial Conclusion to KI#1**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Lenovo, US National Security Agency, MITRE-FFRDC, Nokia, Nokia Shanghai Bell, Ericsson, NTIA, Deutsche Telekom, T-Mobile US, BT, Charter Communications, Cablelabs, Peraton Labs, Intel, IRT Saint Exupery, Johns Hopkins University APL, Samsung, CISA ECD*

(Replaces S3-242746)

**Discussion:**

Huawei didn’t agree with this contribution.There was some big impact associated with the word "requirement".

ZTE, CATT and China Mobile objected to this contribution.

ORANGE didn’t object but it wasn’t clear for them what the following tasks would be.

The Chair declared the contents of this document as a working agreement.

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

**S3-242868 Conclusions for Data Collection**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: MITRE-FFRDC, US National Security Agency*

**Abstract:**

This conclusions document proposes a set of data for collection.

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

**S3-242747 Solution to KI#2**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Lenovo, US National Security Agency*

**Decision:** The document was **revised to S3-243611**.

**S3-243611 Solution to KI#2**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Lenovo, US National Security Agency*

(Replaces S3-242747)

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

**S3-242833 Solution for enhancement of SBA access control decision mechanisms**

*Type: pCR For: (not specified)  
 33.794 v0.3.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243613**.

**S3-243613 Solution for enhancement of SBA access control decision mechanisms**

*Type: pCR For: -  
 33.794 v0.3.0  
 Source: Nokia*

(Replaces S3-242833)

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

**S3-242867 New solution for KI#2: Dynamic Security Policy Enforcement Framework**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: MITRE-FFRDC, Defense Information Systems Agency EM*

**Abstract:**

This solution proposes a standard dynamic security policy enforcement framework

**Discussion:**

Huawei: this is like definiing an alternative authentication on top of what we have now. I suggest to remove the evaluaton.

**Decision:** The document was **revised to S3-243614**.

**S3-243614 New solution for KI#2: Dynamic Security Policy Enforcement Framework**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: MITRE-FFRDC, Defense Information Systems Agency EM*

(Replaces S3-242867)

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

**S3-243310 New Solution to Key Issue #2: Policy enforcement using NRF configuration and short access token lifetime**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243615**.

**S3-243615 New Solution to Key Issue #2: Policy enforcement using NRF configuration and short access token lifetime**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Ericsson*

(Replaces S3-243310)

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

**S3-242745 Cleanup of TR**

*Type: pCR For: Approval  
 33.794 v0.3.0  
 Source: Lenovo*

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

**S3-243612 Draft TR 33.794**

*Type: draft TR For: Approval  
 33.794 v0.4.0  
 Source: Motorola Mobility*

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

### 5.2 Study on the security support for the Next Generation Real Time Communication services phase 2

**S3-243296 Remove Editor's Note from KI#1: Third party specific user identities**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Ericsson*

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

**S3-242872 Update Sol3 on Support of Third Party specific User Identities in IMS**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Address EN and add evaluation

**Decision:** The document was **revised to S3-243616**.

**S3-243616 Update Sol3 on Support of Third Party specific User Identities in IMS**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-242872)

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

**S3-243022 Addressing the ENs on dynamic name card details and exposure mechanisms of solution#4**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243024 Addressing the EN on details of determining the received Avatar ID of solution 5**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243617**.

**S3-243617 Addressing the EN on details of determining the received Avatar ID of solution 5**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243024)

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

**S3-243023 Addressing the ENs on token related details and alignment of SA2 for solution#5**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243618**.

**S3-243618 Addressing the ENs on token related details and alignment of SA2 for solution#5**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243023)

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

**S3-243025 Evaluation on Solution#5**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243619**.

**S3-243619 Evaluation on Solution#5**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243025)

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

**S3-243228 Resolving EN in sol#6**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243620**.

**S3-243620 Resolving EN in sol#6**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Samsung*

(Replaces S3-243228)

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

**S3-243229 Evaluation for sol#6**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243621**.

**S3-243621 Evaluation for sol#6**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Samsung*

(Replaces S3-243229)

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

**S3-242873 Update Sol7 on Protect IMS DC based Avatar Communication**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Address EN and add evaluation

**Decision:** The document was **revised to S3-243622**.

**S3-243622 Update Sol7 on Protect IMS DC based Avatar Communication**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-242873)

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

**S3-242870 Update sol9 on Secure IMS DC capability exposure**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Abstract:**

Address EN and add evaluation

**Decision:** The document was **revised to S3-243623**.

**S3-243623 Update sol9 on Secure IMS DC capability exposure**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-242870)

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

**S3-243230 New solution on avatar communication**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243624**.

**S3-243624 New solution on avatar communication**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Samsung*

(Replaces S3-243230)

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

**S3-243026 A new solution on the security of IMS DC capability exposure**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243625**.

**S3-243625 A new solution on the security of IMS DC capability exposure**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243026)

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

**S3-243298 New solution for KI#3: IMS DC capability exposure security based on existing specification**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243626**.

**S3-243626 New solution for KI#3: IMS DC capability exposure security based on existing specification**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Ericsson*

(Replaces S3-243298)

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

**S3-243297 Conclusion for KI#1: Third party specific user identities**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Ericsson*

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

**S3-242871 Conclusion for KI#3 on IMS DC capability exposure**

*Type: pCR For: Approval  
 33.790 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-243656 Draft TR 33.790**

*Type: draft TR For: Approval  
 33.790 v0.4.0  
 Source: Ericsson*

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

### 5.3 Study on security for PLMN hosting a NPN

**S3-242910 Remove the EN in KI#1**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: ZTE Corporation*

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

**S3-243241 Solve EN for Sol#1&5 of TR 33.757**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-243467**.

**S3-243467 Solve EN for Sol#1&5 of TR 33.757**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Mobile*

(Replaces S3-243241)

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

**S3-243386 Solve EN for sol#1&12 of TR 33.757 regarding SA3-LI**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Mobile*

(Replaces S3-243242)

**Discussion:**

Nokia: LI impact to be solved in SA3-LI.

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

**S3-243082 Evaluation for KI#1 and KI#2 on N4/SBA Security for solution 3**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243469**.

**S3-243469 Evaluation for KI#1 and KI#2 on N4/SBA Security for solution 3**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243082)

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

**S3-243356 Resolution of EN concerning message inspection, filtering and topology hiding – solution 13.**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-243470 Resolution of EN concerning message inspection, filtering and topology hiding – solution 13.**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-243358 Evaluation of solution 13**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-243079 Evaluation on the solution 13 for KI1**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Huawei, HiSilicon*

**Discussion:**

Nokia didn’t agree with this evaluation.

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

**S3-243018 Conclusion to KI#1**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Telecomunication Corp.,ZTE, Huawei, HiSilicon, China Mobile*

**Decision:** The document was **revised to S3-243471**.

**S3-243471 Conclusion to KI#1**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Telecomunication Corp.,ZTE, Huawei, HiSilicon, China Mobile*

(Replaces S3-243018)

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

**S3-243171 Conclusion for Key Issue #1 "Security for dedicated UPF interacting with PLMN through N4 interface"**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Ericsson*

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

**S3-243205 Conclusion for KI#1**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

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

**S3-243360 Conclusion to KI#1**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell, Johns Hopkins University APL*

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

**S3-242779 Conclude LI impacts for PNI-NPN Solutions in TR 33.757**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Johns Hopkins University APL*

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

**S3-243021 Addressing the EN and evaluation of Solution#4**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243472 Addressing the EN and evaluation of Solution#4**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243013 Evaluation to solution#6**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Telecomunication Corp.*

**Decision:** The document was **revised to S3-243473**.

**S3-243473 Evaluation to solution#6**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Telecomunication Corp.*

(Replaces S3-243013)

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

**S3-243017 Evaluation to solution#7**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Telecomunication Corp.*

**Decision:** The document was **revised to S3-243474**.

**S3-243474 Evaluation to solution#7**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Telecomunication Corp.*

(Replaces S3-243017)

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

**S3-243379 Update sol#8 for wrong NF type handling**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Xiaomi Communications*

**Decision:** The document was **revised to S3-243475**.

**S3-243475 Update sol#8 for wrong NF type handling**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Xiaomi Communications*

(Replaces S3-243379)

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

**S3-243201 Update to Solution#9**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243476**.

**S3-243476 Update to Solution#9**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

(Replaces S3-243201)

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

**S3-243200 Evaluation for solution#9**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

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

**S3-243380 Update sol#10 for message handling**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Xiaomi Communications*

**Decision:** The document was **revised to S3-243477**.

**S3-243477 Update sol#10 for message handling**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Xiaomi Communications*

(Replaces S3-243380)

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

**S3-242841 Revision of two errors in TR 33.757**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Mobile Com. Corporation*

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

**S3-243357 Resolution of editors note concerning message inspection/filtering and topology hiding – solution 14.**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-243478**.

**S3-243478 Resolution of editors note concerning message inspection/filtering and topology hiding – solution 14.**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-243357)

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

**S3-243359 Evaluation of solution 14**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-243080 Evaluation on the solution 14 for KI2**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243020 Conclusion to KI#2**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Telecomunication Corp., ZTE, Huawei, HiSilicon, China Mobile*

**Decision:** The document was **revised to S3-243479**.

**S3-243479 Conclusion to KI#2**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Telecomunication Corp., ZTE, Huawei, HiSilicon, China Mobile*

(Replaces S3-243020)

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

**S3-243172 Conclusion for Key Issue #2 "Dedicated NFs interacting with PLMN through SBA interface"**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Ericsson*

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

**S3-243206 Conclusion for KI#2**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

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

**S3-243361 Conclusion to KI#2**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Nokia, Nokia Shanghai Bell, Johns Hopkins University APL*

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

**S3-243378 Add conclusion to KI#2**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Xiaomi Communications*

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

**S3-242750 Updates to Solution#11**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Lenovo*

**Decision:** The document was **revised to S3-243480**.

**S3-243480 Updates to Solution#11**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Lenovo*

(Replaces S3-242750)

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

**S3-242911 Update the Sol#15**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-243481**.

**S3-243481 Update the Sol#15**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: ZTE Corporation*

(Replaces S3-242911)

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

**S3-242912 Update the Sol#16**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-243482**.

**S3-243482 Update the Sol#16**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: ZTE Corporation*

(Replaces S3-242912)

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

**S3-243081 Evaluation on the solution 17 for KI3**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243202 Update to solution#17**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243483**.

**S3-243483 Update to solution#17**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

(Replaces S3-243202)

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

**S3-242909 Conclusion to KI#3**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-243484**.

**S3-243484 Conclusion to KI#3**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: ZTE Corporation*

(Replaces S3-242909)

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

**S3-243086 Conclusion on KI3**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Huawei, HiSilicon*

**Discussion:**

Discussion whether normative work was needed.The support was 50% for both options.

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

**S3-243207 Conclusion for KI#3**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

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

**S3-242862 New solution for KI#1: Analytics for Secure N4 interface with Security Gateway**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: MITRE-FFRDC, Defense Information Systems Agency EM*

**Abstract:**

The proposed solution leverages existing work to add additional functionality to solutions for Key Issue #1 to perform analytics on the dedicated UPF.

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

**S3-243203 Solution to enforce additional policy checks for NF Consumer in PNI-NPN**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

**Discussion:**

Huawei: too late for solutions, we are reaching conclusions now and we need to follow the work plan.

The Chair commented that the Rapporteur shouldn’t deny the contribution as a rule.

Nokia supported the solution.

NSA supported the contribution as well.

**Decision:** The document was **revised to S3-243485**.

**S3-243485 Solution to enforce additional policy checks for NF Consumer in PNI-NPN**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

(Replaces S3-243203)

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

**S3-243204 Solution for SUPI privacy**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243690**.

**S3-243690 Solution for SUPI privacy**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Samsung*

(Replaces S3-243204)

**Discussion:**

Huawei objected because this was changing the network architecture.

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

**S3-242754 TR 33.757 correction of Term for PNI-NPN Operational domain**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: Johns Hopkins University APL*

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

**S3-242766 Revision of two errors in TR 33.757**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Mobile Com. Corporation*

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

**S3-243242 Solve EN for sol#1&12 of TR 33.757 regarding SA3-LI**

*Type: pCR For: Approval  
 33.757 v0.3.0  
 Source: China Mobile*

**Decision:** The document was **revised to S3-243386**.

**S3-243468 Draft TR 33.757**

*Type: draft TR For: Approval  
 33.757 v0.4.0  
 Source: China Telecom*

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

### 5.4 Study of ACME for Automated Certificate Management in SBA

**S3-243398 Proposed solution for Secure Transport of Messages**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Google*

**Decision:** The document was **revised to S3-243662**.

**S3-243662 Proposed solution for Secure Transport of Messages**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Google*

(Replaces S3-243398)

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

**S3-243397 Proposed solution for certificate enrolment**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Google, JHU APL*

**Decision:** The document was **revised to S3-243486**.

**S3-243486 Proposed solution for certificate enrolment**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Google, JHU APL*

(Replaces S3-243397)

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

**S3-242854 Solution on certificate revocation**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Johns Hopkins University APL, Cisco Systems, MITRE-FFRDC, US National Security Agency*

**Decision:** The document was **revised to S3-243487**.

**S3-243487 Solution on certificate revocation**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Johns Hopkins University APL, Cisco Systems, MITRE-FFRDC, US National Security Agency*

(Replaces S3-242854)

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

**S3-242892 update to Sol#1**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243488**.

**S3-243488 update to Sol#1**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242892)

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

**S3-242893 update to Sol#3**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243489**.

**S3-243489 update to Sol#3**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242893)

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

**S3-242894 overall evaluation for KI#1**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243490**.

**S3-243490 overall evaluation for KI#1**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242894)

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

**S3-242895 overall evaluation for KI#3**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Huawei, HiSilicon*

**Discussion:**

Nokia, Huawei: we need to have a picture to know the benefits of a second framework.

NSA, NCSC questioned the vlaue of doing the comparison.

**Decision:** The document was **revised to S3-243491**.

**S3-243491 overall evaluation for KI#3**

*Type: pCR For: Approval  
 33.776 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242895)

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

**S3-243722 Draft TR 33.776**

*Type: draft TR For: discussion  
 33.776 v0.4.0  
 Source: Cisco*

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

### 5.5 Study on enabling a cryptographic algorithm transition to 256-bits

**S3-242777 Proposed changes to the Conclusions**

*Type: pCR For: Approval  
 33.700-41 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-242786 Annexes on 256-bit security and backwards compatibility**

*Type: pCR For: Approval  
 33.700-41 v0.2.0  
 Source: KDDI Corporation, Cablelabs, Ericsson*

**Decision:** The document was **revised to S3-243647**.

**S3-243647 Annexes on 256-bit security and backwards compatibility**

*Type: pCR For: Approval  
 33.700-41 v0.2.0  
 Source: KDDI Corporation, Cablelabs, Ericsson*

(Replaces S3-242786)

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

**S3-242776 Editorial Modifications**

*Type: pCR For: Approval  
 33.700-41 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-243648**.

**S3-243648 Editorial Modifications**

*Type: pCR For: Approval  
 33.700-41 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-242776)

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

**S3-242787 pCR on Editorial cleanup**

*Type: pCR For: Approval  
 33.700-41 v0.2.0  
 Source: KDDI Corporation*

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

**S3-242788 Presentation of Specification to TSG: TR 33.700-41**

*Type: TS or TR cover For: Approval  
 33.700-41 v0.2.0  
 Source: KDDI Corporation*

**Decision:** The document was **revised to S3-243649**.

**S3-243649 Presentation of Specification to TSG: TR 33.700-41**

*Type: TS or TR cover For: Approval  
 33.700-41 v0.2.0  
 Source: KDDI Corporation*

(Replaces S3-242788)

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

**S3-242914 LS on assigning algorithm identifier values for 256-bit algorithms**

*Type: LS out For: Approval  
 to CT1  
 Source: ZTE Corporation*

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

**S3-243655 Draft TR 33.700-41**

*Type: draft TR For: Approval  
 33.700-41 v0.3.0  
 Source: KDDI*

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

### 5.6 Study on mitigations against bidding down attacks

**S3-243342 Threat update for KI1 for MiBida**

*Type: pCR For: (not specified)  
 33.701 v1.0.0  
 Source: NTT DOCOMO INC..*

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

**S3-243506 Threat update for KI1 for MiBida**

*Type: pCR For: -  
 33.701 v1.0.0  
 Source: NTT DOCOMO INC..*

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

**S3-243385 33.701: Update to Solution 4**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: Xiaomi EV Technology*

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

**S3-242994 MiBiDA - Update solution#10**

*Type: pCR For: (not specified)  
 33.701 v1.0.0  
 Source: Apple*

**Decision:** The document was **revised to S3-243507**.

**S3-243507 MiBiDA - Update solution#10**

*Type: pCR For: -  
 33.701 v1.0.0  
 Source: Apple*

(Replaces S3-242994)

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

**S3-242965 Solution #14**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: THALES*

**Abstract:**

Solution #14

**Decision:** The document was **revised to S3-243508**.

**S3-243508 Solution #14**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: THALES*

(Replaces S3-242965)

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

**S3-243362 Removal of ENs to solution 14 in MiBiDA**

*Type: pCR For: (not specified)  
 33.701 v1.0.0  
 Source: NTT DOCOMO INC..*

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

**S3-242801 New Solution Mitigation of Roaming Attack**

*Type: pCR For: Approval  
 33.701 v0.3.0  
 Source: vivo*

**Decision:** The document was **revised to S3-243509**.

**S3-243509 New Solution Mitigation of Roaming Attack**

*Type: pCR For: Approval  
 33.701 v0.3.0  
 Source: vivo*

(Replaces S3-242801)

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

**S3-243364 New UE configuration based solution for MibidA**

*Type: pCR For: (not specified)  
 33.701 v1.0.0  
 Source: NTT DOCOMO INC..*

**Decision:** The document was **revised to S3-243510**.

**S3-243510 New UE configuration based solution for MibidA**

*Type: pCR For: -  
 33.701 v1.0.0  
 Source: NTT DOCOMO INC..*

(Replaces S3-243364)

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

**S3-243215 Conclusion for KI#1 in TR 33.701**

*Type: pCR For: Approval  
 33.701 v0.3.0  
 Source: Samsung, Ericsson, Nokia, Lenovo*

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

**S3-242915 conclusion for KI#1**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: ZTE Corporation*

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

**S3-243118 Way forward**

*Type: discussion For: Discussion  
 33.701 v..  
 Source: Huawei, HiSilicon*

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

**S3-243122 Conclusion proposal**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243511**.

**S3-243511 Conclusion proposal**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243122)

**Discussion:**

Show of hands for the Conclusion:

- Support: Vivo, Nokia, Google, Ericsson, Lenovo, Samsung, Huawei, Philips.

- No support, NTT-Docomo, Xiaomi, Thales, Apple, ORANGE, CableLAbs, ZTE

**Decision:** The document was **revised to S3-243691**.

**S3-243691 Conclusion proposal**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243511)

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

**S3-242992 MiBiDA - Conclusions**

*Type: pCR For: (not specified)  
 33.701 v1.0.0  
 Source: Apple*

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

**S3-242966 Conclusion for KI#1**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: THALES*

**Abstract:**

Conclusion for KI#1

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

**S3-242799 Discussion on Conclusion to Address Attack in MiBiDA**

*Type: discussion For: Endorsement  
 Source: vivo*

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

**S3-242800 Conclusion for key issue #1**

*Type: pCR For: Approval  
 33.701 v0.3.0  
 Source: vivo*

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

**S3-243269 33.701: Addition to Overall Summary**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: Xiaomi Technology*

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

**S3-242916 Overall summary update**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: ZTE Corporation*

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

**S3-242993 MiBiDA - Update overall summary**

*Type: pCR For: (not specified)  
 33.701 v1.0.0  
 Source: Apple*

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

**S3-243120 Updates to overall summary**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243659**.

**S3-243659 Updates to overall summary**

*Type: pCR For: Approval  
 33.701 v1.0.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243120)

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

**S3-243119 Conference call minutes**

*Type: report For: Information  
 33.701 v..  
 Source: Huawei, HiSilicon*

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

**S3-243395 Evaluation to Solution #1**

*Type: pCR For: Approval  
 33.701 v0.3.0  
 Source: Google*

**Decision:** The document was **revised to S3-243657**.

**S3-243657 Evaluation to Solution #1**

*Type: pCR For: Approval  
 33.701 v0.3.0  
 Source: Google*

(Replaces S3-243395)

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

**S3-243396 Evaluation to Solution #4**

*Type: pCR For: Approval  
 33.701 v0.3.0  
 Source: Google*

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

**S3-243557 Draft TR 33.701**

*Type: draft TR For: Approval  
 33.701 v1.1.0  
 Source: Huawei*

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

**S3-243692 Cover sheet TR 33.701**

*Type: TS or TR cover For: Approval  
 33.701 v..  
 Source: Huawei*

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

### 5.7 Study on security Aspects of 5G Satellite Access Phase 2

**S3-242764 LS on reply to LS on FS\_5GSAT\_Ph3\_ARCH conclusions**

*Type: LS out For: Approval  
 to SA2, cc SA3-LI, RAN2  
 Source: Nokia*

**Decision:** The document was **revised to S3-243533**.

**S3-243533 LS on reply to LS on FS\_5GSAT\_Ph3\_ARCH conclusions**

*Type: LS out For: Approval  
 to SA2, cc SA3-LI, RAN2  
 Source: Nokia*

(Replaces S3-242764)

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

**S3-243250 Draft LS on reply to LS on FS\_5GSAT\_Ph3\_ARCH conclusions**

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

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

**S3-243319 Security of Satellite Store & Forward Solutions**

*Type: discussion For: Discussion  
 Source: Qualcomm Incorporated*

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

**S3-243320 Reply LS on FS\_5GSAT\_Ph3\_ARCH conclusions**

*Type: LS out For: (not specified)  
 to SA2, cc SA3-LI, RAN2  
 Source: Qualcomm Incorporated*

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

**S3-242918 Update the Clause 4**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: ZTE Corporation*

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

**S3-242919 Update the KI#1**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-243534**.

**S3-243534 Update the KI#1**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: ZTE Corporation*

(Replaces S3-242919)

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

**S3-242846 An Update for Solution #21: Remediation of unauthenticated (D)DOS in S&F**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: InterDigital Communications*

**Abstract:**

This contribution proposes updates for Solution #21: Remediation of unauthenticated (D)DOS in S&F. Updates in Section 4 aim to resolve Editor’s Notes.

In particular, both Editor’s Notes are replaced with the explanatory text clarifying the conditions unde

**Decision:** The document was **revised to S3-243535**.

**S3-243535 An Update for Solution #21: Remediation of unauthenticated (D)DOS in S&F**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: InterDigital Communications*

(Replaces S3-242846)

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

**S3-242847 An Update for the Evaluation of Solution #21**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: InterDigital Communications*

**Abstract:**

This contribution proposes an update for the evaluation of Solution #21: Remediation of unauthenticated (D)DOS in S&F.

**Decision:** The document was **revised to S3-243536**.

**S3-243536 An Update for the Evaluation of Solution #21**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: InterDigital Communications*

(Replaces S3-242847)

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

**S3-242920 Evaluation for Solution #13**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-243537**.

**S3-243537 Evaluation for Solution #13**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: ZTE Corporation*

(Replaces S3-242920)

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

**S3-242971 Evaluation of solution #13**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: THALES*

**Abstract:**

Evaluation of solution #13

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

**S3-243348 Evaluation of Solution#13**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Philips International B.V.*

**Discussion:**

S3-243537

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

**S3-242967 Evaluation of solution #1**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: THALES*

**Abstract:**

Evaluation of solution #1

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

**S3-242969 Evaluation of solution #2**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: THALES*

**Abstract:**

Evaluation of solution #2

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

**S3-242985 Remove ENs and update evaluation in Solution #12**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: OPPO*

**Decision:** The document was **revised to S3-243539**.

**S3-243539 Remove ENs and update evaluation in Solution #12**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: OPPO*

(Replaces S3-242985)

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

**S3-243002 Solution 6 update with evaluation**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243538**.

**S3-243538 Solution 6 update with evaluation**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Nokia*

(Replaces S3-243002)

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

**S3-243003 Solution 22 updates with EN removal**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Nokia*

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

**S3-243005 Solution 22 updates with evaluation**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243540**.

**S3-243540 Solution 22 updates with evaluation**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Nokia*

(Replaces S3-243005)

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

**S3-243073 Evaluates to solution#22 of TR 33.700-29**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243349 Evaluation of Solution#22**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Philips International B.V.*

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

**S3-243035 Evaluation update on solution 9**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243057 Resolution of EN on solution 18**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243693**.

**S3-243693 Resolution of EN on solution 18**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243057)

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

**S3-243058 Evaluation update on solution 18**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243541**.

**S3-243541 Evaluation update on solution 18**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243058)

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

**S3-243218 Evaluation of solution#7**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243542**.

**S3-243542 Evaluation of solution#7**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

(Replaces S3-243218)

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

**S3-243219 Resolving EN of solution#8**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243543**.

**S3-243543 Resolving EN of solution#8**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

(Replaces S3-243219)

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

**S3-243220 Evaluation of solution#8**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243544**.

**S3-243544 Evaluation of solution#8**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

(Replaces S3-243220)

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

**S3-243234 Update solution 5**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: China Mobile, CAICT*

**Decision:** The document was **revised to S3-243545**.

**S3-243545 Update solution 5**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: China Mobile, CAICT*

(Replaces S3-243234)

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

**S3-243253 Update to solution #15 in TR 33.700-29**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-243254 Update to solution #16 in TR 33.700-29**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-243318 Addition to solution #3**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-243694**.

**S3-243694 Addition to solution #3**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Qualcomm Incorporated*

(Replaces S3-243318)

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

**S3-243072 Removing ENs and adding evaluation in Sol#19 of TR 33.700-29**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243695**.

**S3-243695 Removing ENs and adding evaluation in Sol#19 of TR 33.700-29**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243072)

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

**S3-243222 Resolving EN of solution#25**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243546**.

**S3-243546 Resolving EN of solution#25**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

(Replaces S3-243222)

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

**S3-243223 Evaluation of solution#25**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243547**.

**S3-243547 Evaluation of solution#25**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

(Replaces S3-243223)

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

**S3-243255 Update to solution #17 in TR 33.700-29**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Beijing Xiaomi Mobile Software*

**Decision:** The document was **revised to S3-243548**.

**S3-243548 Update to solution #17 in TR 33.700-29**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-243255)

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

**S3-243221 Update to solution#24**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243549**.

**S3-243549 Update to solution#24**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

(Replaces S3-243221)

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

**S3-243224 Update to solution#26**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243550**.

**S3-243550 Update to solution#26**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Samsung*

(Replaces S3-243224)

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

**S3-242865 pCR to TR33.700-29 New solution on anti DoS attacks and privacy protection for S&F operations**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: CATT*

**Decision:** The document was **revised to S3-243551**.

**S3-243551 pCR to TR33.700-29 New solution on anti DoS attacks and privacy protection for S&F operations**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: CATT*

(Replaces S3-242865)

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

**S3-243033 Security protection based on AKA procedure in S&F operation with a full CN onboard the satellite**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243552**.

**S3-243552 Security protection based on AKA procedure in S&F operation with a full CN onboard the satellite**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243033)

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

**S3-243233 New solution of Authentication and authorization in S&F based on onboard EPC**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: China Mobile, CAICT*

**Decision:** The document was **revised to S3-243553**.

**S3-243553 New solution of Authentication and authorization in S&F based on onboard EPC**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: China Mobile, CAICT*

(Replaces S3-243233)

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

**S3-243034 Interim GUTI privacy protection based on pseudonym UE IDs**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243554**.

**S3-243554 Interim GUTI privacy protection based on pseudonym UE IDs**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243034)

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

**S3-242988 New key issue for satellite switching with re-synchronization in regenerative architecture**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: Nokia*

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

**S3-242956 Discussion Paper FSAT Solutions**

*Type: discussion For: Endorsement  
 Source: Intel Technology India Pvt Ltd*

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

**S3-242917 Conclusion for KI#1**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: ZTE Corporation*

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

**S3-242955 Conclusion of Key Issue 1**

*Type: pCR For: (not specified)  
 33.700-29 v0.3.0  
 Source: Intel Technology India Pvt Ltd*

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

**S3-243045 Conclusion of Key issue #1 in TR 33.700-29**

*Type: pCR For: (not specified)  
 33.700-29 v0.3.0  
 Source: China Telecomunication Corp.*

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

**S3-243152 Conclusion for KI#1**

*Type: pCR For: Approval  
 33.700-29 v0.3.0  
 Source: THALES*

**Abstract:**

Conclusion for KI#1

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

**S3-243555 Draft TR 33.700-29**

*Type: draft TR For: Approval  
 33.700-29 v0.4.0  
 Source: CATT*

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

### 5.8 Study on security for mobility over non-3GPP access to avoid full primary authentication

**S3-242932 Agreed pCR of the last meeting Mobike**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Nokia*

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

**S3-242935 Discussion paper for Fast BSS details from 802.11 specs**

*Type: discussion For: Approval  
 Source: Nokia*

**Decision:** The document was **revised to S3-243667**.

**S3-243667 Discussion paper for Fast BSS details from 802.11 specs**

*Type: discussion For: Approval  
 Source: Nokia*

(Replaces S3-242935)

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

**S3-242837 Further conclusion for Key issue #1**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Charter Communications, Inc*

**Abstract:**

Conclusion for KI#1 to use solution (x) in TR 33.702 as the basis for normative work for incorporating MOBIKE support to optimize IPSec connection

**Decision:** The document was **revised to S3-243697**.

**S3-243697 Further conclusion for Key issue #1**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Charter Communications, Inc*

(Replaces S3-242837)

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

**S3-242934 LS on clarification on trusted non 3GPP access technologies**

*Type: LS out For: Approval  
 to SA3, cc CT1  
 Source: Nokia*

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

**S3-242933 KI1 and KI3 conclusion update**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243644**.

**S3-243644 KI1 and KI3 conclusion update**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Nokia*

(Replaces S3-242933)

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

**S3-243101 Remove ENs to KI#1 and KI#3**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243323 Updating the conclusion to KI#1 and KI#3**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Qualcomm Incorporated*

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

**S3-242937 KI2 and KI4conclusion update**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243645**.

**S3-243645 KI2 and KI4conclusion update**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Nokia*

(Replaces S3-242937)

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

**S3-243100 new conclusion to KI#2**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-242936 Discussion paper for Fast BSS based NSWO solution**

*Type: discussion For: Approval  
 33.702 v..  
 Source: Nokia*

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

**S3-243099 new conclusion to KI#4**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243324 Proposed conclusion for KI#4**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-243646**.

**S3-243646 Proposed conclusion for KI#4**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Qualcomm Incorporated*

(Replaces S3-243324)

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

**S3-242938 TR editorial correction**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Nokia*

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

**S3-243102 Update evaluation to solution 9**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243103 Update evaluation to solution 12**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243104 Update evaluation to solution 13**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243105 Update evaluation to solution 16**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243106 Update evaluation to solution 18**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243107 Update evaluation to solution 19**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243108 Update evaluation to solution 20**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Huawei, HiSilicon*

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

**S3-243225 Resolving EN in sol#9**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Samsung*

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

**S3-243226 Resolving EN in sol#12**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Samsung*

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

**S3-243227 Resolving EN in sol#19**

*Type: pCR For: Approval  
 33.702 v0.3.0  
 Source: Samsung*

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

**S3-243660 Draft TR 33.702**

*Type: draft TR For: Approval  
 33.702 v0.4.0  
 Source: Nokia*

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

**S3-243698 Cover sheet TR 33.702**

*Type: TS or TR cover For: Approval  
 33.702 v..  
 Source: Nokia*

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

### 5.9 Study on security Aspect of Ambient IoT Services in 5G

**S3-243121 Updates to the assumption clause**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243492**.

**S3-243492 Updates to the assumption clause**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243121)

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

**S3-242859 pCR to TR 33.713 Add new security assumptions for Clause 4**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: CATT*

**Discussion:**

ORANGE: this is too premature, let's see every key issue and solutions. I need to see the authentication clarified first and come back to this later.

Thales disagreed with the contribution and agreed with ORANGE.

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

**S3-243284 Assumption on AIoT Device**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: OPPO*

**Discussion:**

ORANGE: this is premature. Sotring long term credentials means that we have them, we havent decided about this yet.

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

**S3-242963 New Key Issue**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: THALES, ORANGE*

**Abstract:**

New Key Issue

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

**S3-243165 AIoT: Security assumptions in the 5G system**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Ericsson*

**Discussion:**

ORANGE proposed to leave the first bullet.

China Mobile: let's note it because there was no agreement about this in the last meeting.

Qualcomm didn’t agree with the first bullet.

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

**S3-243238 Architecture and Security Assumptions  for AIoT services**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: China Mobile, CAICT*

**Discussion:**

Interdigital, Qualcomm, Nokia and Ericsson disagreed.

Interdigital: too early to make this assumption. What is meant with "access" here? Just remove the text after "normal UE".

Nokia: what about the non UICC credentials?

Apple: we don’t object to have the UICC in the AioT device. If the AioT is a new type of UE we should not have this statement here.

ORANGE: this clause is useless. Let's do it through the usual key issue discussion. China Mobile supported this.

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

**S3-243237 Discussion on security assumption**

*Type: discussion For: Endorsement  
 Source: China Mobile, CAICT*

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

**S3-242961 UICC support for Ambient IoT Service**

*Type: discussion For: Endorsement  
 33.713 v..  
 Source: THALES, ORANGE*

**Abstract:**

UICC support for Ambient IoT Service

**Discussion:**

Interdigital: asking RAN to ask CT6?

Nokia supported sending the LS but to ETSI SET.

NTT-Docomo agreed with Interdigital and they added that some devices may support non volatile storage. This meant no authentication.

ORANGE: first decide if we need an authentication to the network, then how then we can send an LS when we understand where we are going.

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

**S3-242922 Update the KI#1 in TR 33.713**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: ZTE Corporation*

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

**S3-242845 An update for Key Issue #2: Authorization for 5G Ambient IoT Services**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: InterDigital Communications*

**Abstract:**

This contribution proposes to update Key Issue #2: Authorization for 5G Ambient IoT services due to the need to be able to authorize Reader nodes in both, Topology 1 and Topology 2.

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

**S3-242860 pCR to TR33.713 Update key issue#4 for adding threats and requirements**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: CATT*

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

**S3-243278 Update KI#4 for Command**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: OPPO*

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

**S3-243355 Update to KI#4**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Nokia*

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

**S3-242983 Update KI on protection of information during AIoT service communication**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: OPPO*

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

**S3-243059 update to the key issue on the protection of information during AIoT service**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Huawei, HiSilicon, China Unicom, Vivo, Apple*

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

**S3-243169 AIoT: Security threats for KI on protection of information during AIoT service communication**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Ericsson*

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

**S3-242991 AIoT - New KI for Ambient IoT on communication security**

*Type: pCR For: (not specified)  
 33.713 v0.2.0  
 Source: Apple*

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

**S3-242861 pCR to TR33.713 New key issue on authentication of AIoT Devices**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: CATT*

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

**S3-242990 AIoT - New KI for Ambient IoT on Authentication**

*Type: pCR For: (not specified)  
 33.713 v0.2.0  
 Source: Apple*

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

**S3-243060 New Key Issue for Authentication in Ambient IoT service**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Huawei, HiSilicon, China Unicom, Vivo, Apple*

**Discussion:**

There were 17 supporting companies.

Thales,Nokia and Idemia opposed to the implication that the current requirements were not enough for AIoT devices.

NTT-Docomo: what do we mean by the network? Is it everything? Application layer? It's unclear and this requirement will not help us in our discussions.

Companies objecting to the contribution: Thales, NTT-Docomo, IDEMIA, Qualcomm.

**Decision:** The document was **revised to S3-243680**.

**S3-243680 New Key Issue for Authentication in Ambient IoT service**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Huawei, HiSilicon, China Unicom, Vivo, Apple*

(Replaces S3-243060)

**Discussion:**

NTT-Docomo asked to be minuted the following:

NTT DOCOMO objects to putting in the first line of the security requirement, as it is unclear what kind of solutions could fulfil this requirement and which kind of solutions don't fulfil this requirement.

It is also unclear whether the requirement together with the leeway provided by the final editor's note can be fulfilled by solutions that would only perform authentication with a reader UE, or with an application server outside the 5G system.

Supporters of the contribution on the header page.

Thales, IDEMIA, Ericsson objected to this contribution.

The Chair commented that similar discussions happened in SA1 and that they were preparing an LS. A joint conference call would be possible to try to make some progress. ORANGE commented that SA1 didn’t deal with architecture issues.

The Chair declared the contents of this document as a working agreement.

Phillips that approving this document meant a larger number of contributions for the next meeting addressing the solutions of this key issue.

NTT-Docomo commented that the planned Time Units had been exceeded already and needed to be re-planned.

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

**S3-243286 KI on authentication related to inventory use case**

*Type: pCR For: (not specified)  
 33.713 v0.2.0  
 Source: OPPO*

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

**S3-243280 New KI on AIoT Authentication of Command Use Case**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: OPPO*

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

**S3-243166 New key issue for connectivity authentication in Ambient IoT**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Ericsson*

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

**S3-243168 New key issue for Authenticated and authorized access to devices in Ambient IoT via 3GPP core**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Ericsson*

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

**S3-243354 KI Authentication and identity of type 1 and 2 devices**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Nokia*

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

**S3-243167 New key issue for application layer authentication in Ambient IoT**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Ericsson*

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

**S3-242802 New Key Issue on Exposure of Inventory Device Quantity**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: vivo*

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

**S3-242921 Clean up for TR 33.713**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: ZTE Corporation*

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

**S3-242984 Solution on disabling operation procedure for AIoT services**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: OPPO*

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

**S3-243054 solution on protection for disabling device operation**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Huawei, HiSilicon, China Unicom, CAICT*

**Discussion:**

Nokia: password sent in clear text?It needs to be clarified. Evaluation is FFS.

ORANGE: step 8, no way to access the UDM without being authenticated.

OPPO: this doesn’t address all of key issue 1.Permanent disable is part of the requirement.

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

**S3-243261 New solution on disabling operation procedure**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-243287 Solution on Disabling Enabling**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: OPPO*

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

**S3-243681 Solution on Disabling Enabling**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: OPPO*

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

**S3-243346 Solution#1 update - Addressing ENs**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Philips International B.V.*

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

**S3-242923 Update the Sol#2 in TR 33.713**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: ZTE Corporation*

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

**S3-243170 Authorization of AIoT capable UE in topology 2**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Ericsson*

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

**S3-243263 New solution on authorization of intermediate node for Ambient IoT services**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-243282 Solution for Intermediate UE Authorization**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: OPPO*

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

**S3-243387 Solution for Authentication, Authorization of AIoT devices with USIM on AIoT AS Layer**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Lenovo*

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

**S3-243388 Solution for Authentication, Authorization of AIoT devices with USIM on AIoT Layer**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Lenovo*

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

**S3-243389 Solution for Authentication, Authorization and ID privacy of AIoT devices without USIM**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Lenovo*

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

**S3-242797 Solution on Privacy Protection for AIoT device**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Sony*

**Abstract:**

New solution to address Privacy protection of AIoT device

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

**S3-242844 Solution for Lightweight AIoT ID privacy**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: InterDigital Communications*

**Abstract:**

This contribution proposes a lightweight ID privacy solution. It was submitted to SA3#116 but not treated and was reviewed and received comments at the SA3 offline AIOT Security call #1 on July 8, 2024. Comments received during the call are reflected in t

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

**S3-242863 pCR to TR33.713 New solution for protecting Device IDs in inventory scenarios**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: CATT*

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

**S3-242924 New solution on KI#3**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: ZTE Corporation*

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

**S3-242989 AIoT - Security solution on privacy**

*Type: pCR For: (not specified)  
 33.713 v0.2.0  
 Source: Apple*

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

**S3-243288 Solution on temporary ID based AIoT device privacy protection**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: OPPO*

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

**S3-243290 Solution on AIoT device ID privacy protection using anonymous key**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: OPPO*

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

**S3-243340 A new solution for privacy protection of AIoT device identifier**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Qualcomm Incorporated*

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

**S3-243345 New solution - Ambient IoT ID privacy**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Philips International B.V.*

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

**S3-243351 New solution for protecting AIoT ID**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Samsung*

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

**S3-242805 New solution on Communication Security of intermediate UE interacting with AIoT device**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: vivo*

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

**S3-242864 pCR to pCR to TR33.713 New solution for message protection in command scenarios**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: CATT*

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

**S3-243055 solution on protection for inventory and command procedure**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243262 New solution on security protection method for Ambient IoT services**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Beijing Xiaomi Mobile Software*

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

**S3-243341 A new solution for end-to-end security protection of command**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: Qualcomm Incorporated*

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

**S3-242804 New solution on Authentication for AIoT Device**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: vivo*

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

**S3-243283 Solution for AIoT Lightweight Authentication Based on 5G-AKA**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: OPPO*

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

**S3-242803 New solution on Protection on Quantity of AIoT Devices during Inventory**

*Type: pCR For: Approval  
 33.713 v0.2.0  
 Source: vivo*

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

**S3-242866 Discussion on Ambient IoT Device Resource Limitation**

*Type: discussion For: Information  
 Source: Xidian University*

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

**S3-243699 Draft TR 33.713**

*Type: draft TR For: Approval  
 33.713 v0.3.0  
 Source: OPPO*

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

### 5.10 Study on security aspects of Usage of User Identities

**S3-242752 Updates to Solution #1**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Lenovo*

**Discussion:**

Ericsson: remove the reference to the LS.

Interdigital:remove the term application level.

**Decision:** The document was **revised to S3-243466**.

**S3-243466 Updates to Solution #1**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Lenovo*

(Replaces S3-242752)

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

**S3-242850 TR 33.700-32 update solution #2**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: InterDigital Canada*

**Decision:** The document was **revised to S3-243440**.

**S3-243440 TR 33.700-32 update solution #2**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: InterDigital Canada*

(Replaces S3-242850)

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

**S3-242851 TR 33.700-32 update solution #3**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: InterDigital Canada*

**Decision:** The document was **revised to S3-243441**.

**S3-243441 TR 33.700-32 update solution #3**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: InterDigital Canada*

(Replaces S3-242851)

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

**S3-242884 Sol#5 update to address ENs**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243442**.

**S3-243442 Sol#5 update to address ENs**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242884)

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

**S3-242885 Sol#5 evaluation**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243443**.

**S3-243443 Sol#5 evaluation**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242885)

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

**S3-242925 address the ENs in Solution#4 clause 6.4.2.1**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: ZTE Corporation*

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

**S3-242926 address the EN in Solution#4 clause 6.4.2.2 with user\_ID activation**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: ZTE Corporation*

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

**S3-242927 address the EN in Solution#4 clause 6.4.2.3**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: ZTE Corporation*

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

**S3-242928 add evaluation to Solution#4**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-243444**.

**S3-243444 add evaluation to Solution#4**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: ZTE Corporation*

(Replaces S3-242928)

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

**S3-242940 Enhancing solution 15**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243446**.

**S3-243446 Enhancing solution 15**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Nokia*

(Replaces S3-242940)

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

**S3-243037 Addressing the EN on Human User authentication of through NAS procedure**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243038 Evaluation to solution 6 to address KI#1**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

Ericsson: not sure if it addresses all security requirements. Last paragraph may not be needed.

**Decision:** The document was **revised to S3-243447**.

**S3-243447 Evaluation to solution 6 to address KI#1**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243038)

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

**S3-243142 Update of Solution #9: Clarification and removal of Editor's Notes**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243448**.

**S3-243448 Update of Solution #9: Clarification and removal of Editor's Notes**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Ericsson*

(Replaces S3-243142)

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

**S3-243143 Update of Solution #9: Resolution of Editor's Note on protection of user ID**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243449**.

**S3-243449 Update of Solution #9: Resolution of Editor's Note on protection of user ID**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Ericsson*

(Replaces S3-243143)

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

**S3-243208 Resolution of ENs on user initiated procedure in Solution#16**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Samsung*

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

**S3-243209 Resolution of ENs on Network triggered procedure in Solution#16**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Samsung*

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

**S3-243210 Evaluation for solution#16**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Samsung*

**Discussion:**

Huawei: impact on UE and network needs to be captured.

Ericsson: capture interaction with the human user.

**Decision:** The document was **revised to S3-243450**.

**S3-243450 Evaluation for solution#16**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Samsung*

(Replaces S3-243210)

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

**S3-243270 33.700-32: Update to Solution 8**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-243451**.

**S3-243451 33.700-32: Update to Solution 8**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Xiaomi Technology*

(Replaces S3-243270)

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

**S3-243271 33.700-32: Update to Solution 22**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-243452**.

**S3-243452 33.700-32: Update to Solution 22**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Xiaomi Technology*

(Replaces S3-243271)

**Discussion:**

MCC: refer to SA2 TR in the note instead of naming a SA2 architecture or procedure.

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

**S3-243344 Solution#10 update - Addresing EN**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Philips International B.V.*

**Decision:** The document was **revised to S3-243453**.

**S3-243453 Solution#10 update - Addresing EN**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Philips International B.V.*

(Replaces S3-243344)

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

**S3-242886 Sol#19 update to address ENs**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243454**.

**S3-243454 Sol#19 update to address ENs**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242886)

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

**S3-242887 Sol#19 evaluation**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-242941 Enhancing solution 18**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Nokia*

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

**S3-242942 evaluation of solution 18**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Nokia*

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

**S3-242943 Enhancing solution 17**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243455**.

**S3-243455 Enhancing solution 17**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Nokia*

(Replaces S3-242943)

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

**S3-243116 Add evaluation to solution 20**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

Interdigital: there are two requirements in key issue 2, clarify that the first requirement is addressed.

ORANGE: NAS confidentiality needs to be activated.

**Decision:** The document was **revised to S3-243456**.

**S3-243456 Add evaluation to solution 20**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243116)

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

**S3-243146 Update of Solution #11: Resolving Editor's Notes on further clarification**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Ericsson*

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

**S3-243147 Update of Solution #11: Resolve Editor's Note on mobility**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Ericsson*

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

**S3-242751 Updates to Solution #14**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Lenovo*

**Decision:** The document was **revised to S3-243457**.

**S3-243457 Updates to Solution #14**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Lenovo*

(Replaces S3-242751)

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

**S3-242888 Sol#21 update to address ENs**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-242889 Sol#21 evaluation**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243458**.

**S3-243458 Sol#21 evaluation**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242889)

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

**S3-243313 Addressing ENs in solution #12 in TR 33.700-32**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: CableLabs*

**Decision:** The document was **revised to S3-243459**.

**S3-243459 Addressing ENs in solution #12 in TR 33.700-32**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: CableLabs*

(Replaces S3-243313)

**Discussion:**

MCC: add reference to SA2 TR in the evaluation.

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

**S3-243381 Update solution #13 in TR 33.700-32**

*Type: pCR For: (not specified)  
 33.700-32 v0.2.0  
 Source: China Telecomunication Corp.*

**Discussion:**

ORANGE: it addresses a key issue that doesn’t exist.

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

**S3-243036 User ID privacy protection based on EAP-TLS protocol using pseudonym mechanism**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243460**.

**S3-243460 User ID privacy protection based on EAP-TLS protocol using pseudonym mechanism**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243036)

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

**S3-243128 New solution for user authentication with EAP-PSK**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243129 New Solution on user authentication with user certificate of KI1**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

Nokia: remove evaluation.

**Decision:** The document was **revised to S3-243461**.

**S3-243461 New Solution on user authentication with user certificate of KI1**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243129)

**Discussion:**

Incorporating ORANGE comments on step 0 referring to UICC provisioning.

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

**S3-243272 33.700-32: New Solution on User Authentication with Credential Derived by UIMF**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Xiaomi Technology*

**Discussion:**

Thales: Provision keys for non-3GPP devices is out of scope.

**Decision:** The document was **revised to S3-243462**.

**S3-243462 33.700-32: New Solution on User Authentication with Credential Derived by UIMF**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Xiaomi Technology*

(Replaces S3-243272)

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

**S3-243273 33.700-32: New Solution on Privacy Protection for UIP Exposure**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Xiaomi Technology*

**Discussion:**

Huawei: aliign with SA2 terminology, not SA6's. Remove the evaluation.

**Decision:** The document was **revised to S3-243463**.

**S3-243463 33.700-32: New Solution on Privacy Protection for UIP Exposure**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Xiaomi Technology*

(Replaces S3-243273)

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

**S3-243049 Discussion paper on privacy issue associated with user id**

*Type: discussion For: Discussion  
 33.700-32 v..  
 Source: Nokia*

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

**S3-243050 KI2 update**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Nokia*

**Discussion:**

interdigital: threat is fine, but the third requirement is already covered.

Huawei: Don’t mix provacy and user consent issues.

ORANGE: requirements are solution specific.

**Decision:** The document was **revised to S3-243464**.

**S3-243464 KI2 update**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Nokia*

(Replaces S3-243050)

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

**S3-243382 Update the Key issue #3 in TR 33.700-32**

*Type: pCR For: (not specified)  
 33.700-32 v0.2.0  
 Source: China Telecomunication Corp.*

**Discussion:**

Interdigital: too late for this key issue, SA2 has concluded on this particular issue of non 3GPP devices.

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

**S3-242856 Conclusion for KI#3 in TR 33.700-32**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: CableLabs, Charter Communications*

**Discussion:**

Huawei disagreed, they had an alternate proposal in 890. They said that SA2 could not conclude on a security issue.

**Decision:** The document was **revised to S3-243465**.

**S3-243465 Conclusion for KI#3 in TR 33.700-32**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: CableLabs, Charter Communications*

(Replaces S3-242856)

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

**S3-242890 Conclusions for KI#3**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-242944 concluding KI3**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Nokia*

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

**S3-243148 Conclusion for Key Issue #3 (authentication and authorization of non-3GPP device behind UE/5G-RG)**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: Ericsson*

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

**S3-243291 Proposed conclusion for KI 1 for user authentication**

*Type: pCR For: Approval  
 33.700-32 v0.2.0  
 Source: NTT DOCOMO INC., Ericsson*

**Abstract:**

Proposing conclusions for KI#1

**Discussion:**

Interdigital: Not complying with the service requirement.

Apple,ORANGE, CableLabs and Qualcommsupported this conclusion.

Huawei and Nokia disagreed with this conclusion.

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

**S3-243445 Draft TR 33.700-32**

*Type: draft TR For: Approval  
 33.700-32 v0.3.0  
 Source: Interdigital*

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

### 5.11 Study on UAS security enhancement

**S3-243150 Mapping of solutions to key issues**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Ericsson*

**Abstract:**

This contribution proposes mapping of solutions to key issues of UAS3 TR 33.759.

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

**S3-242878 key issue for no transmit zones**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243151 Solution for multiple USS case**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Ericsson*

**Abstract:**

The document proposes a new solution for key issue #1.

**Decision:** The document was **revised to S3-243604**.

**S3-243604 Solution for multiple USS case**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Ericsson*

(Replaces S3-243151)

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

**S3-243668 Solution for multiple USS case using token**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Ericsson*

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

**S3-242848 TR 33.759 update solution #1**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: InterDigital Canada*

**Decision:** The document was **revised to S3-243605**.

**S3-243605 TR 33.759 update solution #1**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: InterDigital Canada*

(Replaces S3-242848)

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

**S3-242879 Sol#2 update to address ENs**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243672**.

**S3-243672 Sol#2 update to address ENs**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242879)

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

**S3-242881 Sol#3 update to address ENs**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243673**.

**S3-243673 Sol#3 update to address ENs**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242881)

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

**S3-242880 Sol#2 evaluation**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243674**.

**S3-243674 Sol#2 evaluation**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242880)

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

**S3-242882 Sol#3 evaluation**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243675**.

**S3-243675 Sol#3 evaluation**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-242882)

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

**S3-242883 Sol#4 evaluation**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-242849 TR 33.759 conclusion KI #1**

*Type: pCR For: Approval  
 33.759 v0.2.0  
 Source: InterDigital Canada*

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

**S3-243603 Draft TR 33.759**

*Type: draft TR For: Approval  
 33.759 v0.3.0  
 Source: Ericsson*

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

### 5.12 Study on security Aspects of Enhancement for Proximity Based Services in 5GS Phase 3

**S3-243182 Resolve the EN in Key issue #1**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

**Discussion:**

Qualcomm: what's the meaning of end to end security here?

Xiaomi: end to end security is not needed.

Interdigital: this is contradicting the security threat assumptions. Huawei supported this.

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

**S3-243306 Resolve EN in KI#1: Security for multi-hop UE-to-Network Relay**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

**Discussion:**

Qualcomm: this proposal and China Telecom's are not aligned with regards to the end ot end security.

Interdigital didn’t understand the threat.

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

**S3-243043 Conclusion of KI#2**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S3-243573**.

**S3-243573 Conclusion of KI#2**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

(Replaces S3-243043)

**Discussion:**

Qualcomm didn’t agree.

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

**S3-243184 Conclusion of KI#1**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

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

**S3-242853 TR 33.743 update solution #1**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: InterDigital Canada*

**Decision:** The document was **revised to S3-243663**.

**S3-243663 TR 33.743 update solution #1**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: InterDigital Canada*

(Replaces S3-242853)

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

**S3-243091 Update solution#5 to add security establishment with more than one intermediate relays**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243090 Resolve ENs in solution#5 of TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243560**.

**S3-243560 Resolve ENs in solution#5 of TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243090)

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

**S3-243092 Evaluates to solution#5 of TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243561**.

**S3-243561 Evaluates to solution#5 of TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243092)

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

**S3-243183 update solution #6 in TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

**Discussion:**

Interdigital: intermediate relay is out of coverage the connection to the network may not be possible.

Xiaomi: not aligned with SA2 assumption.

Qualcomm: we don’t agree with the threat.

**Decision:** The document was **revised to S3-243562**.

**S3-243562 update solution #6 in TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

(Replaces S3-243183)

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

**S3-243258 Update to solution #8 in TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Beijing Xiaomi Mobile Software*

**Decision:** The document was **revised to S3-243563**.

**S3-243563 Update to solution #8 in TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-243258)

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

**S3-243260 Add the evaluation of solution #8 in TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Beijing Xiaomi Mobile Software*

**Decision:** The document was **revised to S3-243564**.

**S3-243564 Add the evaluation of solution #8 in TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-243260)

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

**S3-243302 Resolve EN in Solution#4: Security of multi-hop UE-to-Network Relay communication**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

**Discussion:**

Qualcomm: we don’t see the need for end to end security. We don’t agree with the reason.

Xiaomi: don’t delete the first editor's note, no alignment with SA2.

**Decision:** The document was **revised to S3-243565**.

**S3-243565 Resolve EN in Solution#4: Security of multi-hop UE-to-Network Relay communication**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

(Replaces S3-243302)

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

**S3-243305 Evaluation of Solution#4: Security of multi-hop UE-to-Network Relay communication**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243566**.

**S3-243566 Evaluation of Solution#4: Security of multi-hop UE-to-Network Relay communication**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

(Replaces S3-243305)

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

**S3-243335 Updates to solution #10**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Qualcomm Incorporated*

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

**S3-243336 Addressing ENs in solution #10**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Qualcomm Incorporated*

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

**S3-243337 Adding an evaluation to solution #10**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-243709**.

**S3-243709 Adding an evaluation to solution #10**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Qualcomm Incorporated*

(Replaces S3-243337)

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

**S3-243093 Evaluates to solution#4 of TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243568**.

**S3-243568 Evaluates to solution#4 of TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243093)

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

**S3-243094 Evaluates to solution#6 of TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243670**.

**S3-243670 Evaluates to solution#6 of TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243094)

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

**S3-243095 Evaluates to solution#1 of TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243257 Update to solution #7 in TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Beijing Xiaomi Mobile Software*

**Discussion:**

Qualcomm didn’t agree with the first editor's note removal.

**Decision:** The document was **revised to S3-243569**.

**S3-243569 Update to solution #7 in TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-243257)

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

**S3-243259 Add the evaluation of solution #7 in TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Beijing Xiaomi Mobile Software*

**Decision:** The document was **revised to S3-243710**.

**S3-243710 Add the evaluation of solution #7 in TR 33.743**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Beijing Xiaomi Mobile Software*

(Replaces S3-243259)

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

**S3-243300 Resolve ENs in Solution #2: Security of multi-hop UE-to-Network Relay discovery Model A**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243706**.

**S3-243706 Resolve ENs in Solution #2: Security of multi-hop UE-to-Network Relay discovery Model A**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

(Replaces S3-243300)

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

**S3-243303 Evaluation of Solution #2: Security of multi-hop UE-to-Network Relay discovery Model A**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243707**.

**S3-243707 Evaluation of Solution #2: Security of multi-hop UE-to-Network Relay discovery Model A**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

(Replaces S3-243303)

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

**S3-243332 Updates on solution #9**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Qualcomm Incorporated*

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

**S3-243333 Addressing ENs in solution #9**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-243570**.

**S3-243570 Addressing ENs in solution #9**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Qualcomm Incorporated*

(Replaces S3-243333)

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

**S3-243334 Adding an evaluation to solution #9**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Qualcomm Incorporated*

**Decision:** The document was **revised to S3-243571**.

**S3-243571 Adding an evaluation to solution #9**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Qualcomm Incorporated*

(Replaces S3-243334)

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

**S3-243301 Resolve EN in Solution #3: Security of multi-hop UE-to-Network Relay discovery Model B**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243572**.

**S3-243572 Resolve EN in Solution #3: Security of multi-hop UE-to-Network Relay discovery Model B**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

(Replaces S3-243301)

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

**S3-243304 Evaluation of Solution #3: Security of multi-hop UE-to-Network Relay discovery Model B**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243708**.

**S3-243708 Evaluation of Solution #3: Security of multi-hop UE-to-Network Relay discovery Model B**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Ericsson*

(Replaces S3-243304)

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

**S3-243015 Update EN in solution#13**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S3-243711**.

**S3-243711 Update EN in solution#13**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

(Replaces S3-243015)

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

**S3-243019 Evaluation of solution#13**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

**Decision:** The document was **revised to S3-243712**.

**S3-243712 Evaluation of solution#13**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

(Replaces S3-243019)

**Decision:** The document was **revised to S3-243723**.

**S3-243723 Evaluation of solution#13**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

(Replaces S3-243712)

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

**S3-243089 Resolve EN and evaluate to Sol#11 for multi-hop U2U security establishment**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243669**.

**S3-243669 Resolve EN and evaluate to Sol#11 for multi-hop U2U security establishment**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243089)

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

**S3-243338 Updates on solution #14**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Qualcomm Incorporated*

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

**S3-243339 Add an evaluation to solution #15**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: Qualcomm Incorporated*

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

**S3-243231 pCR to TR33.743 Update clause 3.1 and clause 3.3**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: CATT*

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

**S3-243248 pCR to TR33.743 Update clause 4 to standardize the use of terminology**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: CATT*

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

**S3-243041 Conclusion of KI#1**

*Type: pCR For: Approval  
 33.743 v0.2.0  
 Source: China Telecom Corporation Ltd.*

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

**S3-243567 Draft TR 33.743**

*Type: draft TR For: Approval  
 33.743 v0.3.0  
 Source: Huawei*

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

### 5.13 Study on security aspects of AIML enhancements

**S3-242807 Update on Key Issue#1**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

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

**S3-243574 Update on Key Issue#1**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

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

**S3-243051 Update the security threats of Key Issue #2: Authorization mechanism of selection of VFL participants in the VFL group**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243705**.

**S3-243705 Update the security threats of Key Issue #2: Authorization mechanism of selection of VFL participants in the VFL group**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Ericsson*

(Replaces S3-243051)

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

**S3-242945 KI3 update**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Nokia*

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

**S3-242806 Update on Key Issue#4**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

**Decision:** The document was **revised to S3-243575**.

**S3-243575 Update on Key Issue#4**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

(Replaces S3-242806)

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

**S3-243074 Update KI#4 : Security of communication data used in VFL training process**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243187 Update KI#4 of TR 33.784**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: OPPO*

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

**S3-242808 New solution on KI#1 Authorization for LCS Data Storage and Retrieval**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

**Discussion:**

Ericsson: No conclsuon of storage in ADRF in SA2. WE don’t agree.

**Decision:** The document was **revised to S3-243576**.

**S3-243576 New solution on KI#1 Authorization for LCS Data Storage and Retrieval**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

(Replaces S3-242808)

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

**S3-242929 update to Solution#2 LMF authorization**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: ZTE Corporation*

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

**S3-243065 Resolution of EN on solution 1 for KI#1**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

Ericsson didn’t agree with the contribution.

**Decision:** The document was **revised to S3-243703**.

**S3-243703 Resolution of EN on solution 1 for KI#1**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243065)

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

**S3-242946 Enhancing solution 3**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243578**.

**S3-243578 Enhancing solution 3**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Nokia*

(Replaces S3-242946)

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

**S3-242809 EN Address for Solution#4 Authorization of VLF member selection**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

**Decision:** The document was **revised to S3-243579**.

**S3-243579 EN Address for Solution#4 Authorization of VLF member selection**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

(Replaces S3-242809)

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

**S3-243189 Resolve one EN for Solution#5**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243580**.

**S3-243580 Resolve one EN for Solution#5**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Ericsson*

(Replaces S3-243189)

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

**S3-243191 Resolve other EN for Solution#5**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Ericsson*

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

**S3-243031 Addressing the EN on the authorization mechanism through NRF and NEF for AF outside the PLMN**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

Nokia, Ericsson, Vivo: keep the editor's note.

**Decision:** The document was **revised to S3-243581**.

**S3-243581 Addressing the EN on the authorization mechanism through NRF and NEF for AF outside the PLMN**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243031)

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

**S3-243370 Resolve ENs for sol#7**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Xiaomi Communications*

**Decision:** The document was **revised to S3-243582**.

**S3-242792 Add notes to section 6.7 in TR 33.784**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S3-243713**.

**S3-243582 Resolve ENs for sol#7**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Xiaomi Communications*

(Replaces S3-243370)

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

**S3-243713 Add notes to section 6.7 in TR 33.784**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: China Mobile Com. Corporation*

(Replaces S3-242792)

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

**S3-243371 Resolve ENs for sol#8**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Xiaomi Communications*

**Decision:** The document was **revised to S3-243583**.

**S3-243583 Resolve ENs for sol#8**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Xiaomi Communications*

(Replaces S3-243371)

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

**S3-242826 A new solution for AIML Data Privacy Protection**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: InterDigital New York*

**Abstract:**

A new solution for AIML Data Privacy Protection

**Discussion:**

Ericsson, Huawei disagreed.

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

**S3-243063 Resolution of EN on solution 9 for KI#3**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

Nokia: solution seems too complex, the management of these groups.

China Mobile: not aligned with SA2.

**Decision:** The document was **revised to S3-243584**.

**S3-243584 Resolution of EN on solution 9 for KI#3**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243063)

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

**S3-243244 Solve EN for solution#9 to align with SA2**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: China Mobile, CAICT*

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

**S3-242811 Update for Solution#10 Privacy of Simple alignment**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

**Decision:** The document was **revised to S3-243585**.

**S3-243585 Update for Solution#10 Privacy of Simple alignment**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

(Replaces S3-242811)

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

**S3-243245 Solve EN for solution#10 to align with SA2**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: China Mobile, CAICT*

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

**S3-243052 Resolve the EN and update Solution #11**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Ericsson*

**Discussion:**

Huawei: keep the editor's note, still under discussion in SA2.

Vivo wanted to remove it.

**Decision:** The document was **revised to S3-243586**.

**S3-243586 Resolve the EN and update Solution #11**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Ericsson*

(Replaces S3-243052)

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

**S3-243077 Evaluation on the solution 11 for KI#3**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243587**.

**S3-243587 Adding Enn on the solution 11 for KI#3**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243077)

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

**S3-243186 Remove ENs and add evaluation in solution #12**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: OPPO*

**Decision:** The document was **revised to S3-243588**.

**S3-243588 Remove ENs and add evaluation in solution #12**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: OPPO*

(Replaces S3-243186)

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

**S3-243243 Solve EN for solution#12 to align with SA2**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: China Mobile, CAICT*

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

**S3-242795 New Solution to KI#4: Privacy preserving scheme for exchanging training data when AF acting as VFL server**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: China Mobile Com. Corporation*

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

**S3-242827 A new solution of security protection for VFL entity communication**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: InterDigital New York*

**Abstract:**

A new solution of security protection for VFL entity communication

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

**S3-242814 New solution on Reusing SBA to Protect Communication Data in Training Process**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

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

**S3-243075 Solution to KI#4 : Security of communication data used in VFL training process**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243589**.

**S3-243589 Solution to KI#4 : Security of communication data used in VFL training process**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243075)

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

**S3-243188 Reusing the exsiting security mechanism for VFL communication data**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: OPPO*

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

**S3-243062 Evaluation on solution 1 for KI#1**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243704**.

**S3-243704 Evaluation on solution 1 for KI#1**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243062)

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

**S3-243367 Add evaluation for sol#2**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Xiaomi Communications*

**Decision:** The document was **revised to S3-243577**.

**S3-243577 Add evaluation for sol#2**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Xiaomi Communications*

(Replaces S3-243367)

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

**S3-242947 Solution 3 evaluation**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243590**.

**S3-243590 Solution 3 evaluation**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Nokia*

(Replaces S3-242947)

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

**S3-242810 Evaluation for Solution#4 Authorization of VLF member selection**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

**Decision:** The document was **revised to S3-243591**.

**S3-243591 Evaluation for Solution#4 Authorization of VLF member selection**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

(Replaces S3-242810)

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

**S3-243190 Evaluation of Solution#5**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Ericsson*

**Discussion:**

Huawei: disagree with deleting the editor's note.

**Decision:** The document was **revised to S3-243592**.

**S3-243592 Evaluation of Solution#5**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Ericsson*

(Replaces S3-243190)

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

**S3-243032 Evaluation to the solution on an authorization mechanism through NRF and NEF for AF outside the PLMN**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243593**.

**S3-243593 Evaluation to the solution on an authorization mechanism through NRF and NEF for AF outside the PLMN**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243032)

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

**S3-243368 Add evaluation for sol#7**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Xiaomi Communications*

**Decision:** The document was **revised to S3-243594**.

**S3-243594 Add evaluation for sol#7**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Xiaomi Communications*

(Replaces S3-243368)

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

**S3-243369 Add evaluation for sol#8**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Xiaomi Communications*

**Decision:** The document was **revised to S3-243595**.

**S3-243595 Add evaluation for sol#8**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Xiaomi Communications*

(Replaces S3-243369)

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

**S3-243066 Evaluation on solution 9 for KI#3**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243596**.

**S3-243596 Evaluation on solution 9 for KI#3**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243066)

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

**S3-243076 Evaluation on the solution 10 for KI#3**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243597**.

**S3-243597 Evaluation on the solution 10 for KI#3**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243076)

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

**S3-243078 Evaluation on the solution 12 for KI#3**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-242812 Conclusion Skeleton for AIML\_SEC**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

**Discussion:**

Huawei: this is not needed. China Mobile and Nokia agreed.

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

**S3-242948 KI2 conclusion**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: Nokia*

**Discussion:**

Ericsson didn’t agree with the conclusion.

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

**S3-242813 Conclusion for KI4**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: vivo, CAICT*

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

**S3-243192 Conclusion on KI#4**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: OPPO*

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

**S3-242840 Editorial correction to section 6.4**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: China Mobile Com. Corporation*

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

**S3-243246 Terms alignment with SA2**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: China Mobile, vivo, CAICT*

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

**S3-243247 Add abbreviations on TR 33.784**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: China Mobile, vivo, CAICT*

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

**S3-242755 Editorial correction to section 6.4**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: CMDI*

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

**S3-242765 Editorial correction to section 6.4**

*Type: pCR For: Approval  
 33.784 v0.2.0  
 Source: China Mobile Com. Corporation*

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

**S3-243392 Draft TR 33.784**

*Type: draft TR For: Approval  
 33.784 v0.3.0  
 Source: China Mobile*

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

### 5.14 Study on EdgeComputing

**S3-242825 A solution for Key Issue #2.1: Secure retrieval of 5G system UE IDs**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: InterDigital New York*

**Abstract:**

A solution for Key Issue #2.1: Secure retrieval of 5G system UE IDs

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

**S3-242828 Solution for security retrieval of 5G UE Id and privacy related information**

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

**Decision:** The document was **revised to S3-243628**.

**S3-243628 Solution for security retrieval of 5G UE Id and privacy related information**

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

(Replaces S3-242828)

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

**S3-242829 Solution for secure retrieval of 5G UE privacy related information based on AKMA**

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

**Decision:** The document was **revised to S3-243629**.

**S3-243629 Solution for secure retrieval of 5G UE privacy related information based on AKMA**

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

(Replaces S3-242829)

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

**S3-242999 MEC - Soltuion on EEC provided Information authentication**

*Type: pCR For: (not specified)  
 33.749 v0.2.0  
 Source: Apple*

**Decision:** The document was **revised to S3-243630**.

**S3-243630 MEC - Soltuion on EEC provided Information authentication**

*Type: pCR For: -  
 33.749 v0.2.0  
 Source: Apple*

(Replaces S3-242999)

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

**S3-243028 A new solution on authorizing AF to retrieve UE ID**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243627**.

**S3-243627 A new solution on authorizing AF to retrieve UE ID**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243028)

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

**S3-243123 Resolution of ENs on solution 1**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243631**.

**S3-243631 Resolution of ENs on solution 1**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243123)

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

**S3-243124 Evaluation on solution 1**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243632**.

**S3-243632 Evaluation on solution 1**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243124)

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

**S3-243149 New solution for EEC provided information verification: UE ID token**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243633**.

**S3-243633 New solution for EEC provided information verification: UE ID token**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Ericsson*

(Replaces S3-243149)

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

**S3-243216 Solution for IP address verification**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243634**.

**S3-243634 Solution for IP address verification**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Samsung*

(Replaces S3-243216)

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

**S3-243343 Solution for IP address verification using access token**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Samsung*

**Decision:** The document was **revised to S3-243635**.

**S3-243635 Solution for IP address verification using access token**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Samsung*

(Replaces S3-243343)

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

**S3-242830 New KI on Security aspects related to enhancements of EAS and local UPF (re)selection**

*Type: pCR For: (not specified)  
 33.749 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-243665**.

**S3-243665 New KI on Security aspects related to enhancements of EAS and local UPF (re)selection**

*Type: pCR For: -  
 33.749 v0.2.0  
 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-242830)

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

**S3-243039 Conclusion on the security releted with 5G System Enhancements for Edge Computing**

*Type: pCR For: Approval  
 33.749 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243721 Draft TR 33.749**

*Type: draft TR For: Approval  
 33.749 v0.3.0  
 Source: Huawei*

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

### 5.15 Study on security aspects for Multi-Access

**S3-243044 Update of Solution #5: UE authentication and traffic protection in ATSSS-Lite**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: Ericsson*

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

**S3-243598 Update of Solution #5: UE authentication and traffic protection in ATSSS-Lite**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: Ericsson*

(Replaces S3-243046)

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

**S3-243046 Update of Solution #5: Discussion on UPF exposure**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: Ericsson*

**Discussion:**

Nokia: too late to bring this when we are going to close the TR.

**Decision:** The document was **revised to S3-243598**.

**S3-243068 Address EN for solution 1**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243069 Add evaluation to solution 1**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243600**.

**S3-243600 Add evaluation to solution 1**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243069)

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

**S3-243070 Address EN for solution 6**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243601**.

**S3-243601 Address EN for solution 6**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243070)

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

**S3-243071 Add evaluation to solution 6**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243347 Update to new SID on security aspects for Multi-Access (DualSteer + ATSSS Ph-4)**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: Philips International B.V.*

**Discussion:**

CableLabs didn’t want to add new issues. A new study can be brought later to address this.

Huawei didn’t agree to update it either. They added that in SA2 was not clear the scenario of two USIMs in the UE.

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

**S3-242962 Discussion on Dual steer device and AKMA procedure**

*Type: discussion For: Discussion  
 Source: NEC Corporation*

**Discussion:**

CableLabs: this should be a new study.

Ericsson: SA2 may reject this work, we don’t agree.

Nokia didn’t support it either. SA2 hasn’t decided yet about DualSteer devices so we cannot approve it.

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

**S3-242960 Update to New SID on security aspects for Multi-Access (DualSteer + ATSSS Ph-4)**

*Type: SID revised For: (not specified)  
 Source: NEC Corporation*

(Replaces S3-241191)

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

**S3-242857 Conclusion for KI#1 in TR 33.754**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: CableLabs, Charter Communications*

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

**S3-242858 Conclusion for KI#2 in TR 33.754**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: CableLabs, Charter Communications*

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

**S3-242957 Cleanup TR 33.754 Introduction**

*Type: pCR For: (not specified)  
 33.754 v0.2.0  
 Source: Intel Technology India Pvt Ltd*

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

**S3-242958 Cleanup TR 33.754: Key issues**

*Type: pCR For: (not specified)  
 33.754 v0.2.0  
 Source: Intel Technology India Pvt Ltd*

**Decision:** The document was **revised to S3-243602**.

**S3-243602 Cleanup TR 33.754: Key issues**

*Type: pCR For: -  
 33.754 v0.2.0  
 Source: Intel Technology India Pvt Ltd*

(Replaces S3-242958)

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

**S3-243372 Conclusions for KI#1 and KI#2**

*Type: pCR For: Approval  
 33.754 v0.2.0  
 Source: Xiaomi Communications*

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

**S3-243599 Draft TR 33.754**

*Type: draft TR For: Approval  
 33.754 v0.3.0  
 Source: Intel*

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

**S3-243714 Cover sheet TR 33.754**

*Type: TS or TR cover For: Approval  
 33.754 v..  
 Source: Intel*

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

### 5.16 Study on 5GS enhancements for Energy Saving

**S3-243125 Update KI2 about privacy of exposure energy related information**

*Type: pCR For: Approval  
 33.766 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243352 Resolution of EN concerning privacy.**

*Type: pCR For: Approval  
 33.766 v0.2.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243607**.

**S3-243607 Resolution of EN concerning privacy.**

*Type: pCR For: Approval  
 33.766 v0.2.0  
 Source: Nokia*

(Replaces S3-243352)

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

**S3-242986 Update of Solution #1: Solution reusing existing interfaces and security mechanisms for energy related information collection**

*Type: pCR For: Approval  
 33.766 v0.2.0  
 Source: Ericsson*

**Discussion:**

Nokia: SA2 hasn’t concluded yet. Further evaluation is needed.

**Decision:** The document was **revised to S3-243608**.

**S3-243608 Update of Solution #1: Solution reusing existing interfaces and security mechanisms for energy related information collection**

*Type: pCR For: Approval  
 33.766 v0.2.0  
 Source: Ericsson*

(Replaces S3-242986)

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

**S3-243083 solution related to KI2**

*Type: pCR For: Approval  
 33.766 v0.2.0  
 Source: Huawei, HiSilicon*

**Discussion:**

Ericsson: lot of stuff in the scope of SA2 that needs to be removed.

Nokia supported Ericsson. They asked to remove the evaluation.

MCC: the note should be an editor's note.

**Decision:** The document was **revised to S3-243609**.

**S3-243609 solution related to KI2**

*Type: pCR For: Approval  
 33.766 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243083)

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

**S3-243141 Solution mapping**

*Type: pCR For: Approval  
 33.766 v0.2.0  
 Source: Ericsson*

**Decision:** The document was **revised to S3-243610**.

**S3-243610 Solution mapping**

*Type: pCR For: Approval  
 33.766 v0.2.0  
 Source: Ericsson,Nokia*

(Replaces S3-243141)

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

**S3-243353 Update of mapping table**

*Type: pCR For: Approval  
 33.766 v0.2.0  
 Source: Nokia*

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

**S3-243606 Drraft TR 33.766**

*Type: draft TR For: Approval  
 33.766 v0.3.0  
 Source: Ericsson*

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

### 5.17 Study on security aspects of 5G NR Femto

**S3-242987 Evaluation to solution#2 in TR 33.745**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: China Telecomunication Corp.*

**Decision:** The document was **revised to S3-243512**.

**S3-243512 Evaluation to solution#2 in TR 33.745**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: China Telecomunication Corp.*

(Replaces S3-242987)

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

**S3-243004 update to Solution#1 ownership security**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: ZTE*

**Decision:** The document was **revised to S3-243513**.

**S3-243513 update to Solution#1 ownership security**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: ZTE*

(Replaces S3-243004)

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

**S3-243016 Updates for solution #4**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243514**.

**S3-243514 Updates for solution #4**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Nokia*

(Replaces S3-243016)

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

**S3-242794 New Solution to KI#7: Verify and authorise direct connections between 5G NR Femtos**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S3-243515**.

**S3-243515 New Solution to KI#7: Verify and authorise direct connections between 5G NR Femtos**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: China Mobile Com. Corporation*

(Replaces S3-242794)

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

**S3-243011 New Solution for Security of 5G NR Femto Ownership**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243516**.

**S3-243516 New Solution for Security of 5G NR Femto Ownership**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Nokia*

(Replaces S3-243011)

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

**S3-243012 New Solution for Femto Owner one time registration with operator network**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243517**.

**S3-243517 New Solution for Femto Owner one time registration with operator network**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Nokia*

(Replaces S3-243012)

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

**S3-243014 New Solution for Support of 5G Femto location security**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243519**.

**S3-243519 New Solution for Support of 5G Femto location security**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Nokia*

(Replaces S3-243014)

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

**S3-243109 hosting party authentication using EAP-AKA’**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243110 Security solution for backhaul link between 5G NR Femto and 5GC**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243520**.

**S3-243520 Security solution for backhaul link between 5G NR Femto and 5GC**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Huawei, HiSilicon*

(Replaces S3-243110)

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

**S3-243111 Security solution for link between 5G NR Femto and 5G NR Femto MS**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-242790 Add notes to KI#4 in TR 33.745**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: China Mobile Com. Corporation*

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

**S3-242796 New KI on Requirements for traffic monitoring and anomaly behavior analysis of 5G Femto**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: China Mobile Com. Corporation*

**Decision:** The document was **revised to S3-243521**.

**S3-243521 New KI on Requirements for traffic monitoring and anomaly behavior analysis of 5G Femto**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: China Mobile Com. Corporation*

(Replaces S3-242796)

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

**S3-242835 pCR on KI for 5GS Core network topology hiding from 5G Femto deployments**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Charter Communications, Inc*

(Replaces S3-241110)

**Abstract:**

pCR on KI for 5GS Core network topology hiding from 5G NR Femto deployments

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

**S3-243009 New key issue for detection of malicious 5G NR Femto**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Nokia*

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

**S3-243010 New key issue for privacy aspects of MRL**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: Nokia*

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

**S3-243006 add conclusions to KI#1 ownership security**

*Type: pCR For: Approval  
 33.745 v0.2.0  
 Source: ZTE*

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

**S3-243518 Alignment of terminology of 5G femto**

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

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

**S3-243556 Draft TR 33.745**

*Type: draft TR For: Approval  
 33.745 v0.3.0  
 Source: ZTE*

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

### 5.18 Study on security aspects of 5G Mobile Metaverse services

**S3-243211 Discussion paper on metaverse**

*Type: discussion For: Discussion  
 33.721 v..  
 Source: Samsung*

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

**S3-243126 New key issue on security aspect of digital asset container in 5G**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Samsung*

**Decision:** The document was **revised to S3-243650**.

**S3-243650 New key issue on security aspect of digital asset container in 5G**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Samsung*

(Replaces S3-243126)

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

**S3-243212 Key issue on authentication and authorization of digital representation**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: Samsung*

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

**S3-243276 33.721: Key Issue on Authentication and Authorization of Avatar**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-243651**.

**S3-243651 33.721: Key Issue on Authentication and Authorization of Avatar**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: Xiaomi Technology*

(Replaces S3-243276)

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

**S3-243274 33.721: Resolve Editor’s Notes in Key Issue 2**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: Xiaomi Technology*

**Decision:** The document was **revised to S3-243715**.

**S3-243715 33.721: Resolve Editor’s Notes in Key Issue 2**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: Xiaomi Technology*

(Replaces S3-243274)

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

**S3-242930 Evaluation for Solution #1**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-243652**.

**S3-243652 Evaluation for Solution #1**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: ZTE Corporation*

(Replaces S3-242930)

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

**S3-242874 Solution for KI#1 on Authorization supporting spatial localization service**

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

**Decision:** The document was **revised to S3-243653**.

**S3-243653 Solution for KI#1 on Authorization supporting spatial localization service**

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

(Replaces S3-242874)

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

**S3-242875 Solution for KI1 on Authorization of spatial anchor services with multiple VAL-S**

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

**Decision:** The document was **revised to S3-243654**.

**S3-243654 Solution for KI1 on Authorization of spatial anchor services with multiple VAL-S**

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

(Replaces S3-242875)

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

**S3-243127 New solution for KI#1 using Attribute-Based Authorization for the consumers**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-243664**.

**S3-243664 New solution for KI#1 using Attribute-Based Authorization for the consumers**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: Huawei, HiSilicon*

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

**S3-243213 Solution for digital asset request validation**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: Samsung*

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

**S3-243275 33.721: New Solution for Key Issue 2**

*Type: pCR For: Approval  
 33.721 v0.2.0  
 Source: Xiaomi Technology*

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

**S3-243720 Draft TR 33.721**

*Type: draft TR For: Approval  
 33.721 v0.3.0  
 Source: Samsung*

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

### 5.19 Study on security aspects of CAPIF Phase 3

**S3-243134 New key issue for CAPIF interconnection**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Ericsson, Nokia*

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

**S3-243639 New key issue for CAPIF interconnection**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Ericsson, Nokia*

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

**S3-243154 New key issue about CAPIF interconnection in TR 33.700-22**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: China Telecom Corporation Ltd., Xiaomi*

**Decision:** The document was **revised to S3-243638**.

**S3-243638 New key issue about CAPIF interconnection in TR 33.700-22**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: China Telecom Corporation Ltd., Xiaomi,Nokia*

(Replaces S3-243154)

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

**S3-243384 Additional requirements for Key issue on CAPIF interconnection security**

*Type: pCR For: (not specified)  
 33.700-22 v0.0.0  
 Source: Nokia*

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

**S3-242896 key issue on CAPIF-8 security procedures**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Huawei, HiSilicon, Nokia, Nokia Shanghai Bell*

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

**S3-242897 key issue on authorization of fine granularity access control**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Huawei, HiSilicon, Nokia, Nokia Shanghai Bell*

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

**S3-243139 Key issue on security of resource owner permission management**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Ericsson, Nokia*

**Decision:** The document was **revised to S3-243636**.

**S3-243636 Key issue on security of resource owner authorization management**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Ericsson, Nokia*

(Replaces S3-243139)

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

**S3-243155 New key issue about CAPIF-8 security in TR 33.700-22**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: China Telecom Corporation Ltd.*

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

**S3-243156 New key issue about Service API invocation authorization with resource owner consent in TR 33.700-22**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: China Telecom Corporation Ltd.*

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

**S3-243377 New KI\_Key issue on security of resource owner consent management**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Xiaomi Communications*

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

**S3-243137 New key issue for accessing UE resources by an application on another UE**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Ericsson, Nokia*

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

**S3-243376 New KI\_Key issue on API invoker on one UE accessing resources owned by another UE**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Xiaomi Communications*

**Decision:** The document was **revised to S3-243640**.

**S3-243640 New KI\_Key issue on API invoker on one UE accessing resources owned by another UE**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Xiaomi Communications,Nokia*

(Replaces S3-243376)

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

**S3-243135 New solution for CAPIF interconnection**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Ericsson*

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

**S3-243136 New key issue for nested API invocation**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Ericsson*

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

**S3-243138 Solution for accessing UE resources by an application on another UE**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Ericsson*

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

**S3-243140 Solution for managing resource owner permission**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Ericsson*

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

**S3-243214 Solution for security aspects of CAPIF interconnection**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Samsung*

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

**S3-243252 Key Issue on Authenticating multiple API invokers of the same Resource Owner**

*Type: pCR For: (not specified)  
 33.700-22 v0.0.0  
 Source: Nokia*

**Decision:** The document was **revised to S3-243700**.

**S3-243700 Key Issue on Authenticating multiple API invokers of the same Resource Owner**

*Type: pCR For: -  
 33.700-22 v0.0.0  
 Source: Nokia*

(Replaces S3-243252)

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

**S3-243373 add high-level architectures for TR 33.700-22**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Xiaomi Communications*

**Decision:** The document was **revised to S3-243716**.

**S3-243716 add high-level architectures for TR 33.700-22**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Xiaomi Communications,Nokia*

(Replaces S3-243373)

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

**S3-243374 add scope for TR 33.700-22**

*Type: pCR For: Approval  
 33.700-22 v0.0.0  
 Source: Xiaomi Communications*

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

**S3-243375 draft\_TR 33.700-22 skeleton FS\_CAPIF\_Ph3-sec**

*Type: draft TR For: Approval  
 33.700-22 v0.0.0  
 Source: Xiaomi Communications*

**Decision:** The document was **revised to S3-243637**.

**S3-243637 draft\_TR 33.700-22 skeleton FS\_CAPIF\_Ph3-sec**

*Type: draft TR For: Approval  
 33.700-22 v0.0.0  
 Source: Xiaomi Communications*

(Replaces S3-243375)

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

**S3-243658 Draft TR 33.700-22**

*Type: draft TR For: Approval  
 33.700-22 v0.1.0  
 Source: Xiaomi*

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

**S3-243718 Draft TR 33.700-22**

*Type: draft TR For: Approval  
 33.700-22 v0.1.0  
 Source: Ericsson*

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

## 6 New Study/Work item proposals

**S3-242775 Adaptation of 256-bit algorithm for AS and NAS**

*Type: other For: (not specified)  
 Source: Nokia, Nokia Shanghai Bell*

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

**S3-242791 Algorithm identifier values for 256-bit algorithms**

*Type: draftCR For: Agreement  
 33.501 v18.6.0  
 Source: KDDI Corporation*

**Abstract:**

This contribution specifies new algorithm identifier values for 256-bit encryption and integrity protection algorithms and defines their use as optional.

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

**S3-242913 introduction of 256-bit encryption and integrity protection algorithms in TS 33.501**

*Type: draftCR For: Approval  
 33.501 v18.6.0  
 Source: ZTE Corporation*

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

**S3-242789 New WID on supporting 256-bit ciphering and integrity protection algorithms**

*Type: WID new For: Approval  
 Source: KDDI Corporation*

**Discussion:**

The Chair asked whether there was any work expected apart from the CRs. KDDI answered that was all.

Qualcomm: too early, I would like to see more progress on the algorithm first. We are still waiting for the algorithms to be published.

Nokia: we need this WID. We also need to figure out the labelling according to the version 2.0 of the algorithms that were just submitted by SAGE.

OPPO: optional support but mandatory for Mes in Rel-19? The Chair commented that the decision to male it deployable would come later.

Qualcomm: we need to see the specs to figure out how to introduce the changes coming from version 2.0.

The Chair commented that there was no rush to agree on this WID now.

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

**S3-242793 (Draft) LS on 256-bit algorithm identifiers**

*Type: LS out For: Approval  
 to CT1  
 Source: KDDI Corporation*

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

**S3-242834 Discussion of enhancements for SNPN cellular hotspots**

*Type: discussion For: Endorsement  
 Source: Cisco Systems, Intel*

(Replaces S3-242066)

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

**S3-242836 Study on Security Aspects of Interconnect of SNPN**

*Type: SID new For: Approval  
 Source: Cisco Systems, Intel*

(Replaces S3-242061)

**Discussion:**

CableLabs supported this work.We have a SA1 requirement on this.

Ericsson and Huawei had some issues. There would be no SA2 work following the requirement of SA1. Not up only for 3GPP but in the scope of other SDOs.

ORANGE found misalignment with SA1 in the wording. The study was going beyond what SA1 was doing.

MITRE supported the WID. Ericsson retired their objection.

Cisco didn’t find any technical reasoning against the objections.

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

**S3-242855 New WID on Security for MonStra**

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

**Discussion:**

Ericsson,CableLAbs supported this.

Chinia Telecom: sending a copy of signalling traffic to an external system is not acceptable.

Huawei: there was a similar function in LTE, There are other options with less network impact.

Vodafone: how the copy is created is not to be standardised. The monitoring system is external to the 5G core.

NSA supported this work as well.

Verizon: interfaces will be standardised?

Ericsson: this concerns SA5 as well. Operational troubleshooting, monitoring systems and so on have always been used, since long ago. The encryption has now complicated the process. Nokia agreed with this.

KPN and ORANGE supported this WID.

NTT-Docomo: who decides the granularity of the authorization for the external monitoring systems? This needs to be clear to avoid endless discussions.

**Decision:** The document was **revised to S3-243671**.

**S3-243671 New WID on Security for MonStra**

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

(Replaces S3-242855)

**Discussion:**

NTT wondered how this WID would be contained.

Ericsson suggested to work offline prior to the meeting to agree on a living document.

Huawei wondered if TS 33.501 would be the right place for this.

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

**S3-243030 New WID on Security for PLMN hosting a NPN**

*Type: WID new For: Approval  
 Source: China Telecomunication Corp., , ZTE*

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

**S3-243117 New WID Proposal on Mitigations on Bidding Down Attack**

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

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

**S3-243130 New WID on specification of alternative example f5\* (f5\*\*) function**

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

**Discussion:**

Nokia, Huawei: postpone to the next meeting. Huawei proposed to use an existing spec instead of creating a separate specification. Ericsson answered that

Thales supported the WID and pointed out that this was the third time already that the WID was presented.

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

**S3-243131 Skeleton of specification of alternative example f5\* (f5\*\*) function**

*Type: other For: Approval  
 Source: Ericsson*

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

**S3-243132 pCR to f5\*\* specification TS**

*Type: other For: Approval  
 Source: Ericsson*

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

**S3-243133 Presentation of specification of alternative example f5\* (f5\*\*) function**

*Type: other For: Approval  
 Source: Ericsson*

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

**S3-243277 New WID on 5G Security Assurance Specification (SCAS) for the Container-based Products**

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

**Abstract:**

Proposal is to develop Container-based network products specific security assurance test cases

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

**S3-243325 Update of WID on Security for mobility over non-3GPP access to avoid full primary authentication**

*Type: WID revised For: Agreement  
 Source: Qualcomm Incorporated*

(Replaces SP-240653)

**Discussion:**

It was clarified that this would not bring any new work.

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

**S3-243399 Rejecting security mode by the UE**

*Type: discussion For: discussion  
 Source: Google*

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

**S3-243400 New mini WID on rejecting insecure security algorithms in NAS SMC procedure**

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

**Discussion:**

ORANGE and Ericsson didn’t support the WID, China Mobile either. They didn’t agree with the action taken by the UE.

NTT\_Docomo didn’t support it either.

Google: all we want is a mechanism for the UE to reject an insecure connection.

Apple supported the WID.

Ericsson, China Mobile, Vivo, ORANGE objected to the WID.

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

**S3-243401 Rejecting insecure security algorithms in NAS SMC procedure**

*Type: discussion For: Agreement  
 Source: Google*

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

## 7 CVD and research

## 8 Any Other Business

Alex Leadbeater (SA3-LI Chair) provided a quick report of SA3-LI activities:

SA3-LI last met in Amsterdam in July.

Primary focus is on IMS Data channel, location enhancements, NPNs, and Satellite (in support of SA2 study).

CRs have already been approved on SA3 email reflector.

Next meeting 29th Oct to 1st Nov in Las Vegas.

The Chair thanked the delegates for a very hard week, to Iko for the organization of the social event and to MCC. After this the meeting was closed.

**S3-242704 SA3 meeting calendar**

*Type: other For: (not specified)  
 Source: SA WG3 Chair*

**Discussion:**

ORANGE: select locations where there are enoguh number of hotels available near the conference center.

Thales: consider also sanitary conditions. October in Hyderabad is not the best time.

ORANGE: meeting locations must be easy and secure.

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

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S3-242700 | Agenda | SA WG3 Chair | approved |  |  |
| S3-242701 | Report from SA3#116 | MCC | approved |  |  |
| S3-242702 | Process for SA3#117 | SA WG3 Chair | noted |  |  |
| S3-242703 | Detail agenda planning for SA3#117 | SA WG3 Chair | revised |  | S3-243406 |
| S3-242704 | SA3 meeting calendar | SA WG3 Chair | noted |  |  |
| S3-242705 | Report to SA3 from SA | SA WG3 Chair | noted |  |  |
| S3-242706 | Response to S3-240886 LS on the introduction of the domain ""ipxnetwork.org"" | GSMA 5GMRR | replied to |  |  |
| S3-242707 | Reply LS on LS reply on LCS user plane connection binding to the UE | C1-243934 | noted |  |  |
| S3-242708 | Reply to LS on differentiating security materials used for PC5 direct discovery for 5G ProSe UE-to-network relay | C1-243949 | noted |  |  |
| S3-242709 | Reply LS on CAPIF extensibility | C3-243204 | noted |  |  |
| S3-242710 | LS on Resource content filters | C4-241339 | replied to |  |  |
| S3-242711 | Reply LS on N32-f N32-c correlation | C4-242393 | noted |  |  |
| S3-242712 | LS on Registering JWT claims at IANA | CP-241308 | noted |  |  |
| S3-242713 | LS on RFC 9374, "DRIP Entity Tag (DET) for Unmanned Aircraft System Remote ID (UAS RID)" | IETF Drone Remote ID Protocol (DRIP) | noted |  |  |
| S3-242714 | LS on RFC 9543, "A Framework for Network Slices in Networks Built from IETF Technologies" | IETF Traffic Engineering Architecture and Signaling Working Group (teas) | noted |  |  |
| S3-242715 | LS on a Realization of Network Slices for 5G Networks Using Current IP/MPLS Technologies | IETF Traffic Engineering Architecture and Signaling Working Group (teas) | noted |  |  |
| S3-242716 | Reply LS on security of IP transport over satellite transport links | R3-243955 | noted |  |  |
| S3-242717 | LS on Avoiding Cross-TSG TEI | RP-241686 | noted |  |  |
| S3-242718 | Reply LS on clarification on mobile metaverse services | S1-241351 | noted |  |  |
| S3-242719 | LS on the use of TLS with QUIC in ATSSS context | S2-2405459 | noted |  |  |
| S3-242720 | Reply LS on ECS Configuration Information | S2-2406888 | noted |  |  |
| S3-242721 | LS on security considerations for 5G ProSe multi-hop relays | S2-2407207 | postponed |  |  |
| S3-242722 | LS on Clarifications related to User Identities | S2-2407219 | noted |  |  |
| S3-242723 | LS on Clarification of requirements for Ambient IoT | S2-2407231 | noted |  |  |
| S3-242724 | LS on User Identities and Authentication Architecture | S2-2407236 | replied to |  |  |
| S3-242725 | LS on FS\_5GSAT\_Ph3\_ARCH conclusions | S2-2407350 | replied to |  |  |
| S3-242726 | LS Reply on Internal 5G Core information expose to trusted AF | S2-2407354 | noted |  |  |
| S3-242727 | LS on enhancement to the protocol stack of IMS Data Channel | S4-241373 | postponed |  |  |
| S3-242728 | Reply LS on GSMA OPG PRDs publication | S5-243436 | noted |  |  |
| S3-242729 | Reply LS on clarifications on consent management | S6-242504 | noted |  |  |
| S3-242730 | LS on Clarification related to Internal 5G Core information expose to trusted AF | S6-242714 | postponed |  |  |
| S3-242731 | Reply LS on ECS Configuration Information | S6-242733 | noted |  |  |
| S3-242732 | Reply LS on request clarification on mobile metaverse services | S6-242734 | noted |  |  |
| S3-242733 | Recent attack on polynomial based MACs with short tag | ETSI SAGE | postponed |  |  |
| S3-242734 | Reply LS on GSMA OPG PRDs publication | SP-240946 | noted |  |  |
| S3-242735 | Reply LS on data plane control by roaming hubs | SP-241014 | noted |  |  |
| S3-242736 | LS on Security considerations for MPQUIC | SP-241015 | noted |  |  |
| S3-242737 | LS on Support for Ambient IoT Security | SP-241016 | noted |  |  |
| S3-242738 | Reply LS on enhancement to the protocol stack of IMS Data Channel | s3i240475 | noted |  |  |
| S3-242739 | Reply LS to SA2 on User Identities and Authentication Architecture | s3i240476 | noted |  |  |
| S3-242740 | Reply LS to SA2 on FS\_5GSAT\_Ph3\_ARCH conclusions | s3i240477 | noted |  |  |
| S3-242741 | Reply LS to SA3 on LI considerations for TR 33.757 | s3i240502 | replied to |  |  |
| S3-242742 | UPU Header Security | Lenovo | not pursued |  |  |
| S3-242743 | Discussion paper on UPU Security and related header protection | Lenovo | noted |  |  |
| S3-242744 | Security re-establishment for Trusted non-3GPP access | Lenovo | merged |  | S3-243641 |
| S3-242745 | Cleanup of TR | Lenovo | approved |  |  |
| S3-242746 | Initial Conclusion to KI#1 | Lenovo, US National Security Agency, MITRE-FFRDC | revised |  | S3-243505 |
| S3-242747 | Solution to KI#2 | Lenovo, US National Security Agency | revised |  | S3-243611 |
| S3-242748 | Updates to Solution #2 | Lenovo, Johns Hopkins University APL, US National Security Agency | revised |  | S3-243496 |
| S3-242749 | Updates to Solution#1 | Lenovo, Johns Hopkins University APL, US National Security Agency | revised |  | S3-243497 |
| S3-242750 | Updates to Solution#11 | Lenovo | revised |  | S3-243480 |
| S3-242751 | Updates to Solution #14 | Lenovo | revised |  | S3-243457 |
| S3-242752 | Updates to Solution #1 | Lenovo | revised |  | S3-243466 |
| S3-242753 | LS on RAN2 agreements and assumptions for Ambient IoT | R2-2406150 | noted |  |  |
| S3-242754 | TR 33.757 correction of Term for PNI-NPN Operational domain | Johns Hopkins University APL | approved |  |  |
| S3-242755 | Editorial correction to section 6.4 | CMDI | withdrawn |  |  |
| S3-242756 | LS reply on LS on support of SSIM on eUICC | C6-240261 | noted |  |  |
| S3-242757 | Reply LS on Security Considerations for MPQUIC | IETF QUIC Working Group (QUIC) | noted |  |  |
| S3-242758 | Newly published data channel GSMA PRD TS.66 | GSMA | replied to |  |  |
| S3-242759 | Add specific UDR SCAS test cases for TS 33.530 | BSI (DE) | revised |  | S3-243419 |
| S3-242760 | UE Security Testing | BSI (DE) | noted |  |  |
| S3-242761 | MPQUIC TLS Annex | Intel Technology India Pvt Ltd | not pursued |  |  |
| S3-242762 | TCG progress - report from TCG rapporteur | InterDigital Communications | noted |  |  |
| S3-242763 | [MCXSec4] 33180 R19 MC Recording Server Introduction | Airbus | revised |  | S3-243717 |
| S3-242764 | LS on reply to LS on FS\_5GSAT\_Ph3\_ARCH conclusions | Nokia | revised |  | S3-243533 |
| S3-242765 | Editorial correction to section 6.4 | China Mobile Com. Corporation | withdrawn |  |  |
| S3-242766 | Revision of two errors in TR 33.757 | China Mobile Com. Corporation | withdrawn |  |  |
| S3-242767 | Discussion on polynomial based MACs with short Tag | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-242768 | Reply LS on Polynomial based MACs with short Tag | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-242769 | Refinement of UDR security requirements | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-242770 | Test Case on No Default Content | Nokia, Nokia Shanghai Bell | revised |  | S3-243435 |
| S3-242771 | Test Case on No Directory Listings | Nokia, Nokia Shanghai Bell | revised |  | S3-243436 |
| S3-242772 | Test Case on No Web Server Header Info | Nokia, Nokia Shanghai Bell | revised |  | S3-243687 |
| S3-242773 | Test Case on No Web Server Error Pages Info | Nokia, Nokia Shanghai Bell | revised |  | S3-243437 |
| S3-242774 | Test Case on No Web Server File Type Mappings | Nokia, Nokia Shanghai Bell | revised |  | S3-243688 |
| S3-242775 | Adaptation of 256-bit algorithm for AS and NAS | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-242776 | Editorial Modifications | Nokia, Nokia Shanghai Bell | revised |  | S3-243648 |
| S3-242777 | Proposed changes to the Conclusions | Nokia, Nokia Shanghai Bell | approved |  |  |
| S3-242778 | Trust anchoring for N32-f/PRINS | BSI (DE) | revised |  | S3-242822 |
| S3-242779 | Conclude LI impacts for PNI-NPN Solutions in TR 33.757 | Johns Hopkins University APL | merged |  | S3-243471 |
| S3-242780 | LS on aggregation and other N32 topics in the context of mediated roaming | BSI (DE) | revised |  | S3-243676 |
| S3-242781 | Living document for CryptoSP: draftCR to TS 33.501, Updates to cryptographic profiles | Ericsson | revised |  | S3-243428 |
| S3-242782 | Living document for CryptoSP: draftCR to TS 33.210, Updates to cryprographic profiles | Ericsson | revised |  | S3-243429 |
| S3-242783 | Living document for CryptoSP: draftCR to TS 33.310, Updates to cryptographic profiles | Ericsson | revised |  | S3-243430 |
| S3-242784 | Living document for CryptoSP: draftCR to TS 33.203, Updates to cryptographic profiles | Ericsson | revised |  | S3-243431 |
| S3-242785 | Supplementary on Solution #6: Collection of security related log data of NFs via DCCF | BSI (DE) | withdrawn |  |  |
| S3-242786 | Annexes on 256-bit security and backwards compatibility | KDDI Corporation, Cablelabs, Ericsson | revised |  | S3-243647 |
| S3-242787 | pCR on Editorial cleanup | KDDI Corporation | approved |  |  |
| S3-242788 | Presentation of Specification to TSG: TR 33.700-41 | KDDI Corporation | revised |  | S3-243649 |
| S3-242789 | New WID on supporting 256-bit ciphering and integrity protection algorithms | KDDI Corporation | noted |  |  |
| S3-242790 | Add notes to KI#4 in TR 33.745 | China Mobile Com. Corporation | noted |  |  |
| S3-242791 | Algorithm identifier values for 256-bit algorithms | KDDI Corporation | noted |  |  |
| S3-242792 | Add notes to section 6.7 in TR 33.784 | China Mobile Com. Corporation | revised |  | S3-243713 |
| S3-242793 | (Draft) LS on 256-bit algorithm identifiers | KDDI Corporation | noted |  |  |
| S3-242794 | New Solution to KI#7: Verify and authorise direct connections between 5G NR Femtos | China Mobile Com. Corporation | revised |  | S3-243515 |
| S3-242795 | New Solution to KI#4: Privacy preserving scheme for exchanging training data when AF acting as VFL server | China Mobile Com. Corporation | noted |  |  |
| S3-242796 | New KI on Requirements for traffic monitoring and anomaly behavior analysis of 5G Femto | China Mobile Com. Corporation | revised |  | S3-243521 |
| S3-242797 | Solution on Privacy Protection for AIoT device | Sony | not treated |  |  |
| S3-242798 | 1-Hop Forward Security Solution for LTM | vivo | revised |  | S3-243524 |
| S3-242799 | Discussion on Conclusion to Address Attack in MiBiDA | vivo | noted |  |  |
| S3-242800 | Conclusion for key issue #1 | vivo | merged |  | S3-243511 |
| S3-242801 | New Solution Mitigation of Roaming Attack | vivo | revised |  | S3-243509 |
| S3-242802 | New Key Issue on Exposure of Inventory Device Quantity | vivo | not treated |  |  |
| S3-242803 | New solution on Protection on Quantity of AIoT Devices during Inventory | vivo | not treated |  |  |
| S3-242804 | New solution on Authentication for AIoT Device | vivo | not treated |  |  |
| S3-242805 | New solution on Communication Security of intermediate UE interacting with AIoT device | vivo | not treated |  |  |
| S3-242806 | Update on Key Issue#4 | vivo, CAICT | revised |  | S3-243575 |
| S3-242807 | Update on Key Issue#1 | vivo, CAICT | approved |  | - |
| S3-242808 | New solution on KI#1 Authorization for LCS Data Storage and Retrieval | vivo, CAICT | revised |  | S3-243576 |
| S3-242809 | EN Address for Solution#4 Authorization of VLF member selection | vivo, CAICT | revised |  | S3-243579 |
| S3-242810 | Evaluation for Solution#4 Authorization of VLF member selection | vivo, CAICT | revised |  | S3-243591 |
| S3-242811 | Update for Solution#10 Privacy of Simple alignment | vivo, CAICT | revised |  | S3-243585 |
| S3-242812 | Conclusion Skeleton for AIML\_SEC | vivo, CAICT | noted |  |  |
| S3-242813 | Conclusion for KI4 | vivo, CAICT | noted |  |  |
| S3-242814 | New solution on Reusing SBA to Protect Communication Data in Training Process | vivo, CAICT | merged |  | S3-243589 |
| S3-242815 | New Use case proposal for data exposure related to attacks on network slices | IRT, Nokia, Nokia Shanghai Bell | revised |  | S3-243493 |
| S3-242816 | Discussion on Impact Analysis for Inter-CU LTM | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-242817 | Discussion on Potential Solution for Inter-CU LTM | Nokia, Nokia Shanghai Bell | noted |  | - |
| S3-242818 | Solution for Inter-CU LTM | Nokia, Nokia Shanghai Bell | revised |  | S3-243525 |
| S3-242819 | LS on Security Handling for inter-CU LTM in non-DC cases | Nokia, Nokia Shanghai Bell | revised |  | S3-243666 |
| S3-242820 | Discussion on 3GPP Cryptographic Inventory | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-242821 | Living document of the Non3GPPMobEnh study | Nokia | revised |  | S3-243642 |
| S3-242822 | Trust anchoring for N32-f/PRINS | Federal Office for Information Security (BSI), Nokia | revised | S3-242778 | S3-242823 |
| S3-242823 | Trust anchoring for N32-f/PRINS | Federal Office for Information Security (BSI), Nokia | not pursued | S3-242822 |  |
| S3-242824 | SA3 input to Reply LS on clarifications on consent management | Nokia | noted |  |  |
| S3-242825 | A solution for Key Issue #2.1: Secure retrieval of 5G system UE IDs | InterDigital New York | merged |  | S3-243627 |
| S3-242826 | A new solution for AIML Data Privacy Protection | InterDigital New York | noted |  |  |
| S3-242827 | A new solution of security protection for VFL entity communication | InterDigital New York | noted |  |  |
| S3-242828 | Solution for security retrieval of 5G UE Id and privacy related information | Nokia, Nokia Shanghai Bell | revised |  | S3-243628 |
| S3-242829 | Solution for secure retrieval of 5G UE privacy related information based on AKMA | Nokia, Nokia Shanghai Bell | revised |  | S3-243629 |
| S3-242830 | New KI on Security aspects related to enhancements of EAS and local UPF (re)selection | Nokia, Nokia Shanghai Bell | revised |  | S3-243665 |
| S3-242831 | Correction to validation of usage of X.509 certificate procedure | Nokia, Nokia Shanghai Bell, Ericsson, Johns Hopkins University APL, Cisco, Huawei | agreed |  |  |
| S3-242832 | Updates to the SBA certificate profile | Nokia, Johns Hopkins University APL, Cisco, Ericsson | merged |  | S3-243416 |
| S3-242833 | Solution for enhancement of SBA access control decision mechanisms | Nokia | revised |  | S3-243613 |
| S3-242834 | Discussion of enhancements for SNPN cellular hotspots | Cisco Systems, Intel | noted | S3-242066 |  |
| S3-242835 | pCR on KI for 5GS Core network topology hiding from 5G Femto deployments | Charter Communications, Inc | approved | S3-241110 |  |
| S3-242836 | Study on Security Aspects of Interconnect of SNPN | Cisco Systems, Intel | noted | S3-242061 |  |
| S3-242837 | Further conclusion for Key issue #1 | Charter Communications, Inc | revised |  | S3-243697 |
| S3-242838 | KI#1, Solution #3 Updates: Data Collection | OTD\_US, MITRE | revised |  | S3-243365 |
| S3-242839 | SWG Discussion | SA3 Chair | noted |  |  |
| S3-242840 | Editorial correction to section 6.4 | China Mobile Com. Corporation | approved |  |  |
| S3-242841 | Revision of two errors in TR 33.757 | China Mobile Com. Corporation | approved |  |  |
| S3-242842 | Supplementary on Solution #6: Collection of security related log data of NFs via DCCF | BSI (DE) | withdrawn |  |  |
| S3-242843 | Supplementary on Solution #6: Collection of security related log data of NFs via DCCF | China Mobile Com. Corporation | not pursued |  |  |
| S3-242844 | Solution for Lightweight AIoT ID privacy | InterDigital Communications | not treated |  |  |
| S3-242845 | An update for Key Issue #2: Authorization for 5G Ambient IoT Services | InterDigital Communications | not treated |  |  |
| S3-242846 | An Update for Solution #21: Remediation of unauthenticated (D)DOS in S&F | InterDigital Communications | revised |  | S3-243535 |
| S3-242847 | An Update for the Evaluation of Solution #21 | InterDigital Communications | revised |  | S3-243536 |
| S3-242848 | TR 33.759 update solution #1 | InterDigital Canada | revised |  | S3-243605 |
| S3-242849 | TR 33.759 conclusion KI #1 | InterDigital Canada | noted |  |  |
| S3-242850 | TR 33.700-32 update solution #2 | InterDigital Canada | revised |  | S3-243440 |
| S3-242851 | TR 33.700-32 update solution #3 | InterDigital Canada | revised |  | S3-243441 |
| S3-242852 | LS Replay on User Identities and Authentication Architecture | InterDigital Canada | revised |  | S3-243558 |
| S3-242853 | TR 33.743 update solution #1 | InterDigital Canada | revised |  | S3-243663 |
| S3-242854 | Solution on certificate revocation | Johns Hopkins University APL, Cisco Systems, MITRE-FFRDC, US National Security Agency | revised |  | S3-243487 |
| S3-242855 | New WID on Security for MonStra | Vodafone, Telefonica, Nokia, Nokia Shanghai Bell | revised |  | S3-243671 |
| S3-242856 | Conclusion for KI#3 in TR 33.700-32 | CableLabs, Charter Communications | revised |  | S3-243465 |
| S3-242857 | Conclusion for KI#1 in TR 33.754 | CableLabs, Charter Communications | merged |  | S3-243602 |
| S3-242858 | Conclusion for KI#2 in TR 33.754 | CableLabs, Charter Communications | merged |  | S3-243602 |
| S3-242859 | pCR to TR 33.713 Add new security assumptions for Clause 4 | CATT | noted |  |  |
| S3-242860 | pCR to TR33.713 Update key issue#4 for adding threats and requirements | CATT | not treated |  |  |
| S3-242861 | pCR to TR33.713 New key issue on authentication of AIoT Devices | CATT | not treated |  |  |
| S3-242862 | New solution for KI#1: Analytics for Secure N4 interface with Security Gateway | MITRE-FFRDC, Defense Information Systems Agency EM | noted |  |  |
| S3-242863 | pCR to TR33.713 New solution for protecting Device IDs in inventory scenarios | CATT | not treated |  |  |
| S3-242864 | pCR to pCR to TR33.713 New solution for message protection in command scenarios | CATT | not treated |  |  |
| S3-242865 | pCR to TR33.700-29 New solution on anti DoS attacks and privacy protection for S&F operations | CATT | revised |  | S3-243551 |
| S3-242866 | Discussion on Ambient IoT Device Resource Limitation | Xidian University | not treated |  |  |
| S3-242867 | New solution for KI#2: Dynamic Security Policy Enforcement Framework | MITRE-FFRDC, Defense Information Systems Agency EM | revised |  | S3-243614 |
| S3-242868 | Conclusions for Data Collection | MITRE-FFRDC, US National Security Agency | noted |  |  |
| S3-242869 | New solution for KI #1 Data Collection using DCCF | MITRE-FFRDC | revised |  | S3-243502 |
| S3-242870 | Update sol9 on Secure IMS DC capability exposure | Nokia, Nokia Shanghai Bell | revised |  | S3-243623 |
| S3-242871 | Conclusion for KI#3 on IMS DC capability exposure | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-242872 | Update Sol3 on Support of Third Party specific User Identities in IMS | Nokia, Nokia Shanghai Bell | revised |  | S3-243616 |
| S3-242873 | Update Sol7 on Protect IMS DC based Avatar Communication | Nokia, Nokia Shanghai Bell | revised |  | S3-243622 |
| S3-242874 | Solution for KI#1 on Authorization supporting spatial localization service | Nokia, Nokia Shanghai Bell | revised |  | S3-243653 |
| S3-242875 | Solution for KI1 on Authorization of spatial anchor services with multiple VAL-S | Nokia, Nokia Shanghai Bell | revised |  | S3-243654 |
| S3-242876 | Add clarification on encryption operation for PC5 ProSe discovery | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S3-242877 | Add clarification on encryption operation for PC5 ProSe discovery | Nokia, Nokia Shanghai Bell | agreed |  |  |
| S3-242878 | key issue for no transmit zones | Huawei, HiSilicon | noted |  |  |
| S3-242879 | Sol#2 update to address ENs | Huawei, HiSilicon | revised |  | S3-243672 |
| S3-242880 | Sol#2 evaluation | Huawei, HiSilicon | revised |  | S3-243674 |
| S3-242881 | Sol#3 update to address ENs | Huawei, HiSilicon | revised |  | S3-243673 |
| S3-242882 | Sol#3 evaluation | Huawei, HiSilicon | revised |  | S3-243675 |
| S3-242883 | Sol#4 evaluation | Huawei, HiSilicon | approved |  |  |
| S3-242884 | Sol#5 update to address ENs | Huawei, HiSilicon | revised |  | S3-243442 |
| S3-242885 | Sol#5 evaluation | Huawei, HiSilicon | revised |  | S3-243443 |
| S3-242886 | Sol#19 update to address ENs | Huawei, HiSilicon | revised |  | S3-243454 |
| S3-242887 | Sol#19 evaluation | Huawei, HiSilicon | approved |  |  |
| S3-242888 | Sol#21 update to address ENs | Huawei, HiSilicon | approved |  |  |
| S3-242889 | Sol#21 evaluation | Huawei, HiSilicon | revised |  | S3-243458 |
| S3-242890 | Conclusions for KI#3 | Huawei, HiSilicon | merged |  | S3-243465 |
| S3-242891 | Reply LS to SA2 on User Identities and Authentication Architecture | Huawei, HiSilicon | merged |  | S3-243558 |
| S3-242892 | update to Sol#1 | Huawei, HiSilicon | revised |  | S3-243488 |
| S3-242893 | update to Sol#3 | Huawei, HiSilicon | revised |  | S3-243489 |
| S3-242894 | overall evaluation for KI#1 | Huawei, HiSilicon | revised |  | S3-243490 |
| S3-242895 | overall evaluation for KI#3 | Huawei, HiSilicon | revised |  | S3-243491 |
| S3-242896 | key issue on CAPIF-8 security procedures | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | merged |  | S3-243636 |
| S3-242897 | key issue on authorization of fine granularity access control | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell | merged |  | S3-243636 |
| S3-242898 | Reply LS to SA6 on Clarification related to Internal 5G Core information expose to trusted AF | Huawei, HiSilicon | revised |  | S3-243408 |
| S3-242899 | Addressing EN in Use Case 5 | U.S. National Security Agency, Johns Hopkins University APL, OTD\_US, MITRE-FFRDC | revised |  | S3-243495 |
| S3-242900 | [Draft] Reply LS on LI considerations for TR 33.757 | ZTE Corporation | merged |  | S3-243410 |
| S3-242901 | draft - Reply LS on clarification on home network triggered re-authentication | ZTE Corporation | merged |  | S3-243412 |
| S3-242902 | Clarifications for HONTRA procedure with respect to failure cases | ZTE | merged |  | S3-243679 |
| S3-242903 | draft - Reply LS on User Identities and Authentication Architecture | ZTE Corporation | merged |  | S3-243558 |
| S3-242904 | CR to update AKMA service disable procedure | ZTE Corporation | merged |  | S3-243413 |
| S3-242905 | Message name correction to TS 33.501 | ZTE Corporation | agreed |  |  |
| S3-242906 | Discussion on security handling for inter-CU LTM in non-DC cases | ZTE Corporation | noted |  |  |
| S3-242907 | MAC CE integrity protection solution for LTM | ZTE Corporation | noted |  |  |
| S3-242908 | NCC synchronization solution for LTM | ZTE Corporation | revised |  | S3-243526 |
| S3-242909 | Conclusion to KI#3 | ZTE Corporation | revised |  | S3-243484 |
| S3-242910 | Remove the EN in KI#1 | ZTE Corporation | approved |  |  |
| S3-242911 | Update the Sol#15 | ZTE Corporation | revised |  | S3-243481 |
| S3-242912 | Update the Sol#16 | ZTE Corporation | revised |  | S3-243482 |
| S3-242913 | introduction of 256-bit encryption and integrity protection algorithms in TS 33.501 | ZTE Corporation | noted |  |  |
| S3-242914 | LS on assigning algorithm identifier values for 256-bit algorithms | ZTE Corporation | noted |  |  |
| S3-242915 | conclusion for KI#1 | ZTE Corporation | merged |  | S3-243511 |
| S3-242916 | Overall summary update | ZTE Corporation | noted |  | - |
| S3-242917 | Conclusion for KI#1 | ZTE Corporation | not treated |  |  |
| S3-242918 | Update the Clause 4 | ZTE Corporation | approved |  |  |
| S3-242919 | Update the KI#1 | ZTE Corporation | revised |  | S3-243534 |
| S3-242920 | Evaluation for Solution #13 | ZTE Corporation | revised |  | S3-243537 |
| S3-242921 | Clean up for TR 33.713 | ZTE Corporation | not treated |  |  |
| S3-242922 | Update the KI#1 in TR 33.713 | ZTE Corporation | not treated |  |  |
| S3-242923 | Update the Sol#2 in TR 33.713 | ZTE Corporation | not treated |  |  |
| S3-242924 | New solution on KI#3 | ZTE Corporation | not treated |  |  |
| S3-242925 | address the ENs in Solution#4 clause 6.4.2.1 | ZTE Corporation | approved |  |  |
| S3-242926 | address the EN in Solution#4 clause 6.4.2.2 with user\_ID activation | ZTE Corporation | approved |  |  |
| S3-242927 | address the EN in Solution#4 clause 6.4.2.3 | ZTE Corporation | approved |  |  |
| S3-242928 | add evaluation to Solution#4 | ZTE Corporation | revised |  | S3-243444 |
| S3-242929 | update to Solution#2 LMF authorization | ZTE Corporation | merged |  | S3-243577 |
| S3-242930 | Evaluation for Solution #1 | ZTE Corporation | revised |  | S3-243652 |
| S3-242931 | LS on Discrepancy between GSMA and 3GPP specifications on 5G Roaming over Roaming Intermediaries | CableLabs | revised |  | S3-243677 |
| S3-242932 | Agreed pCR of the last meeting Mobike | Nokia | approved |  |  |
| S3-242933 | KI1 and KI3 conclusion update | Nokia | revised |  | S3-243644 |
| S3-242934 | LS on clarification on trusted non 3GPP access technologies | Nokia | noted |  |  |
| S3-242935 | Discussion paper for Fast BSS details from 802.11 specs | Nokia | revised |  | S3-243667 |
| S3-242936 | Discussion paper for Fast BSS based NSWO solution | Nokia | noted |  |  |
| S3-242937 | KI2 and KI4conclusion update | Nokia | revised |  | S3-243645 |
| S3-242938 | TR editorial correction | Nokia | approved |  |  |
| S3-242939 | Reply LS on User Identities and Authentication Architecture | Nokia | merged |  | S3-243558 |
| S3-242940 | Enhancing solution 15 | Nokia | revised |  | S3-243446 |
| S3-242941 | Enhancing solution 18 | Nokia | approved |  |  |
| S3-242942 | evaluation of solution 18 | Nokia | approved |  |  |
| S3-242943 | Enhancing solution 17 | Nokia | revised |  | S3-243455 |
| S3-242944 | concluding KI3 | Nokia | merged |  | S3-243465 |
| S3-242945 | KI3 update | Nokia | noted |  |  |
| S3-242946 | Enhancing solution 3 | Nokia | revised |  | S3-243578 |
| S3-242947 | Solution 3 evaluation | Nokia | revised |  | S3-243590 |
| S3-242948 | KI2 conclusion | Nokia | noted |  |  |
| S3-242949 | Discussion paper reauthentication via untrusted non 3GPP access | Nokia | noted |  |  |
| S3-242950 | Discussion paper of UPU implementation gaps | Nokia | noted |  |  |
| S3-242951 | Enhancement in UPU procedure to protect UPU header | Nokia | not pursued |  |  |
| S3-242952 | AKMA API Name correction along with other editorial corrections | Nokia | agreed |  |  |
| S3-242953 | AAnF Providing VPLMN Id to AF | Nokia, | not pursued |  |  |
| S3-242954 | Discussion Paper on Security Key Handling for Inter-CU LTM | Intel Technology India Pvt Ltd | noted |  |  |
| S3-242955 | Conclusion of Key Issue 1 | Intel Technology India Pvt Ltd | not treated |  |  |
| S3-242956 | Discussion Paper FSAT Solutions | Intel Technology India Pvt Ltd | not treated |  |  |
| S3-242957 | Cleanup TR 33.754 Introduction | Intel Technology India Pvt Ltd | approved |  | - |
| S3-242958 | Cleanup TR 33.754: Key issues | Intel Technology India Pvt Ltd | revised |  | S3-243602 |
| S3-242959 | Reply LS on the use of TLS with QUIC in ATSSS context | Intel Technology India Pvt Ltd | noted |  |  |
| S3-242960 | Update to New SID on security aspects for Multi-Access (DualSteer + ATSSS Ph-4) | NEC Corporation | noted | S3-241191 |  |
| S3-242961 | UICC support for Ambient IoT Service | THALES, ORANGE | noted |  |  |
| S3-242962 | Discussion on Dual steer device and AKMA procedure | NEC Corporation | noted |  |  |
| S3-242963 | New Key Issue | THALES, ORANGE | not treated |  |  |
| S3-242964 | MPQUIC TLS Annex | Intel, Nokia, Charter Communications, | revised |  | S3-243415 |
| S3-242965 | Solution #14 | THALES | revised |  | S3-243508 |
| S3-242966 | Conclusion for KI#1 | THALES | merged |  | S3-243511 |
| S3-242967 | Evaluation of solution #1 | THALES | approved |  |  |
| S3-242968 | Editorial Correction of TC\_NO\_SYSTEM\_PRIVILEGES\_WEB\_SERVER | BSI (DE) | not pursued |  |  |
| S3-242969 | Evaluation of solution #2 | THALES | approved |  |  |
| S3-242970 | Clarification on TC\_NO\_CGI\_OR\_SCRIPTING\_FOR\_UPLOADS | BSI (DE) | not pursued |  |  |
| S3-242971 | Evaluation of solution #13 | THALES | merged |  | S3-243537 |
| S3-242972 | Clarification on TC\_ACCESS\_RIGHTS\_WEB\_SERVER\_FILES | BSI (DE) | not pursued |  |  |
| S3-242973 | Clarification on TC\_NO\_DIRECTORY\_LISTINGS | BSI (DE) | not pursued |  |  |
| S3-242974 | Clarification on TC\_NO\_WEB\_SERVER\_ERROR\_PAGES\_INFORMATION | BSI (DE) | not pursued |  |  |
| S3-242975 | Revised WID on Milenage-256 algorithm | THALES, IDEMIA | agreed |  |  |
| S3-242976 | Clarification on TC\_BVT\_PORT\_SCANNING | BSI (DE) | not pursued |  |  |
| S3-242977 | Selection of the option | THALES | endorsed |  |  |
| S3-242978 | Removal of boiler plate texts in format of evidence | BSI (DE) | revised |  | S3-243661 |
| S3-242979 | Content of TR 35.234 | THALES | revised |  | S3-243422 |
| S3-242980 | Content of TS 35.235 | THALES | revised |  | S3-243423 |
| S3-242981 | Add UDM SCAS test case for checking the authentication verification of a synchronization failure message | BSI (DE) | revised |  | S3-243029 |
| S3-242982 | Content of TS 35.236 | THALES | revised |  | S3-243424 |
| S3-242983 | Update KI on protection of information during AIoT service communication | OPPO | not treated |  |  |
| S3-242984 | Solution on disabling operation procedure for AIoT services | OPPO | not treated |  |  |
| S3-242985 | Remove ENs and update evaluation in Solution #12 | OPPO | revised |  | S3-243539 |
| S3-242986 | Update of Solution #1: Solution reusing existing interfaces and security mechanisms for energy related information collection | Ericsson | revised |  | S3-243608 |
| S3-242987 | Evaluation to solution#2 in TR 33.745 | China Telecomunication Corp. | revised |  | S3-243512 |
| S3-242988 | New key issue for satellite switching with re-synchronization in regenerative architecture | Nokia | not treated |  |  |
| S3-242989 | AIoT - Security solution on privacy | Apple | not treated |  |  |
| S3-242990 | AIoT - New KI for Ambient IoT on Authentication | Apple | not treated |  |  |
| S3-242991 | AIoT - New KI for Ambient IoT on communication security | Apple | not treated |  |  |
| S3-242992 | MiBiDA - Conclusions | Apple | merged |  | S3-243511 |
| S3-242993 | MiBiDA - Update overall summary | Apple | noted |  | - |
| S3-242994 | MiBiDA - Update solution#10 | Apple | revised |  | S3-243507 |
| S3-242995 | LTM - Discussion paper on LTM security | Apple | noted |  |  |
| S3-242996 | LTM - Reply LS to RAN2 on LTM progress | Apple | merged |  | S3-243666 |
| S3-242997 | LTM - content on living CR - Candidate solution#1 | Apple | revised |  | S3-243527 |
| S3-242998 | LTM - content on living CR - Candidate solution#2 | Apple | revised |  | S3-243528 |
| S3-242999 | MEC - Soltuion on EEC provided Information authentication | Apple | revised |  | S3-243630 |
| S3-243000 | Draft LS to SA6 on obtaining user consent for the exposure of User Sensitive Information | Apple | noted |  |  |
| S3-243001 | New solution for data collection related to API security risks | Nokia | revised |  | S3-243503 |
| S3-243002 | Solution 6 update with evaluation | Nokia | revised |  | S3-243538 |
| S3-243003 | Solution 22 updates with EN removal | Nokia | approved |  |  |
| S3-243004 | update to Solution#1 ownership security | ZTE | revised |  | S3-243513 |
| S3-243005 | Solution 22 updates with evaluation | Nokia | revised |  | S3-243540 |
| S3-243006 | add conclusions to KI#1 ownership security | ZTE | noted |  |  |
| S3-243007 | EN removal for solution #4 | Nokia | revised |  | S3-243499 |
| S3-243008 | Evaluation for solution #4 | Nokia | revised |  | S3-243500 |
| S3-243009 | New key issue for detection of malicious 5G NR Femto | Nokia | noted |  |  |
| S3-243010 | New key issue for privacy aspects of MRL | Nokia | noted |  |  |
| S3-243011 | New Solution for Security of 5G NR Femto Ownership | Nokia | revised |  | S3-243516 |
| S3-243012 | New Solution for Femto Owner one time registration with operator network | Nokia | revised |  | S3-243517 |
| S3-243013 | Evaluation to solution#6 | China Telecomunication Corp. | revised |  | S3-243473 |
| S3-243014 | New Solution for Support of 5G Femto location security | Nokia | revised |  | S3-243519 |
| S3-243015 | Update EN in solution#13 | China Telecom Corporation Ltd. | revised |  | S3-243711 |
| S3-243016 | Updates for solution #4 | Nokia | revised |  | S3-243514 |
| S3-243017 | Evaluation to solution#7 | China Telecomunication Corp. | revised |  | S3-243474 |
| S3-243018 | Conclusion to KI#1 | China Telecomunication Corp.,ZTE, Huawei, HiSilicon, China Mobile | revised |  | S3-243471 |
| S3-243019 | Evaluation of solution#13 | China Telecom Corporation Ltd. | revised |  | S3-243712 |
| S3-243020 | Conclusion to KI#2 | China Telecomunication Corp., ZTE, Huawei, HiSilicon, China Mobile | revised |  | S3-243479 |
| S3-243021 | Addressing the EN and evaluation of Solution#4 | Huawei, HiSilicon | noted |  | - |
| S3-243022 | Addressing the ENs on dynamic name card details and exposure mechanisms of solution#4 | Huawei, HiSilicon | approved |  |  |
| S3-243023 | Addressing the ENs on token related details and alignment of SA2 for solution#5 | Huawei, HiSilicon | revised |  | S3-243618 |
| S3-243024 | Addressing the EN on details of determining the received Avatar ID of solution 5 | Huawei, HiSilicon | revised |  | S3-243617 |
| S3-243025 | Evaluation on Solution#5 | Huawei, HiSilicon | revised |  | S3-243619 |
| S3-243026 | A new solution on the security of IMS DC capability exposure | Huawei, HiSilicon | revised |  | S3-243625 |
| S3-243027 | Reply LS on enhancement to the protocol stack of IMS Data Channel | Huawei, HiSilicon | merged |  | S3-243407 |
| S3-243028 | A new solution on authorizing AF to retrieve UE ID | Huawei, HiSilicon | revised |  | S3-243627 |
| S3-243029 | Add UDM SCAS test case for checking the authentication verification of a synchronization failure message | BSI (DE) | not pursued | S3-242981 |  |
| S3-243030 | New WID on Security for PLMN hosting a NPN | China Telecomunication Corp., , ZTE | noted |  |  |
| S3-243031 | Addressing the EN on the authorization mechanism through NRF and NEF for AF outside the PLMN | Huawei, HiSilicon | revised |  | S3-243581 |
| S3-243032 | Evaluation to the solution on an authorization mechanism through NRF and NEF for AF outside the PLMN | Huawei, HiSilicon | revised |  | S3-243593 |
| S3-243033 | Security protection based on AKA procedure in S&F operation with a full CN onboard the satellite | Huawei, HiSilicon | revised |  | S3-243552 |
| S3-243034 | Interim GUTI privacy protection based on pseudonym UE IDs | Huawei, HiSilicon | revised |  | S3-243554 |
| S3-243035 | Evaluation update on solution 9 | Huawei, HiSilicon | approved |  |  |
| S3-243036 | User ID privacy protection based on EAP-TLS protocol using pseudonym mechanism | Huawei, HiSilicon | revised |  | S3-243460 |
| S3-243037 | Addressing the EN on Human User authentication of through NAS procedure | Huawei, HiSilicon | approved |  |  |
| S3-243038 | Evaluation to solution 6 to address KI#1 | Huawei, HiSilicon | revised |  | S3-243447 |
| S3-243039 | Conclusion on the security releted with 5G System Enhancements for Edge Computing | Huawei, HiSilicon | noted |  |  |
| S3-243040 | Reply LS to CT4 on Resource content filters | Huawei, HiSilicon | noted |  |  |
| S3-243041 | Conclusion of KI#1 | China Telecom Corporation Ltd. | withdrawn |  |  |
| S3-243042 | Discussion about Rel-18 ATSSS | Ericsson | noted |  |  |
| S3-243043 | Conclusion of KI#2 | China Telecom Corporation Ltd. | revised |  | S3-243573 |
| S3-243044 | Update of Solution #5: UE authentication and traffic protection in ATSSS-Lite | Ericsson | noted |  | - |
| S3-243045 | Conclusion of Key issue #1 in TR 33.700-29 | China Telecomunication Corp. | not treated |  |  |
| S3-243046 | Update of Solution #5: Discussion on UPF exposure | Ericsson | revised |  | S3-243598 |
| S3-243047 | Adding the requirement of media confidentiality protection for IMS data channel | Huawei, HiSilicon | not pursued |  |  |
| S3-243048 | Replacing DCMF with MF | Huawei, HiSilicon | revised |  | S3-243417 |
| S3-243049 | Discussion paper on privacy issue associated with user id | Nokia | noted |  |  |
| S3-243050 | KI2 update | Nokia | revised |  | S3-243464 |
| S3-243051 | Update the security threats of Key Issue #2: Authorization mechanism of selection of VFL participants in the VFL group | Ericsson | revised |  | S3-243705 |
| S3-243052 | Resolve the EN and update Solution #11 | Ericsson | revised |  | S3-243586 |
| S3-243053 | update to AKMA service disabling | Huawei, HiSilicon | revised |  | S3-243413 |
| S3-243054 | solution on protection for disabling device operation | Huawei, HiSilicon, China Unicom, CAICT | noted |  |  |
| S3-243055 | solution on protection for inventory and command procedure | Huawei, HiSilicon | not treated |  |  |
| S3-243056 | update to the support of ESP encryption transforms in TS 33.210 | Huawei, HiSilicon | revised |  | S3-243719 |
| S3-243057 | Resolution of EN on solution 18 | Huawei, HiSilicon | revised |  | S3-243693 |
| S3-243058 | Evaluation update on solution 18 | Huawei, HiSilicon | revised |  | S3-243541 |
| S3-243059 | update to the key issue on the protection of information during AIoT service | Huawei, HiSilicon, China Unicom, Vivo, Apple | not treated |  |  |
| S3-243060 | New Key Issue for Authentication in Ambient IoT service | Huawei, HiSilicon, China Unicom, Vivo, Apple | revised |  | S3-243680 |
| S3-243061 | discussion paper on LTM solutions | Huawei, HiSilicon | noted |  |  |
| S3-243062 | Evaluation on solution 1 for KI#1 | Huawei, HiSilicon | revised |  | S3-243704 |
| S3-243063 | Resolution of EN on solution 9 for KI#3 | Huawei, HiSilicon | revised |  | S3-243584 |
| S3-243064 | Correct the Federal Learning procedure | Huawei, HiSilicon | revised |  | S3-243414 |
| S3-243065 | Resolution of EN on solution 1 for KI#1 | Huawei, HiSilicon | revised |  | S3-243703 |
| S3-243066 | Evaluation on solution 9 for KI#3 | Huawei, HiSilicon | revised |  | S3-243596 |
| S3-243067 | Update procedure Security for AI/ML model storage and sharing in TS 33.501 | Huawei, HiSilicon | not pursued |  |  |
| S3-243068 | Address EN for solution 1 | Huawei, HiSilicon | approved |  |  |
| S3-243069 | Add evaluation to solution 1 | Huawei, HiSilicon | revised |  | S3-243600 |
| S3-243070 | Address EN for solution 6 | Huawei, HiSilicon | revised |  | S3-243601 |
| S3-243071 | Add evaluation to solution 6 | Huawei, HiSilicon | approved |  |  |
| S3-243072 | Removing ENs and adding evaluation in Sol#19 of TR 33.700-29 | Huawei, HiSilicon | revised |  | S3-243695 |
| S3-243073 | Evaluates to solution#22 of TR 33.700-29 | Huawei, HiSilicon | merged |  | S3-243540 |
| S3-243074 | Update KI#4 : Security of communication data used in VFL training process | Huawei, HiSilicon | merged |  | S3-243575 |
| S3-243075 | Solution to KI#4 : Security of communication data used in VFL training process | Huawei, HiSilicon | revised |  | S3-243589 |
| S3-243076 | Evaluation on the solution 10 for KI#3 | Huawei, HiSilicon | revised |  | S3-243597 |
| S3-243077 | Evaluation on the solution 11 for KI#3 | Huawei, HiSilicon | revised |  | S3-243587 |
| S3-243078 | Evaluation on the solution 12 for KI#3 | Huawei, HiSilicon | approved |  |  |
| S3-243079 | Evaluation on the solution 13 for KI1 | Huawei, HiSilicon | noted |  |  |
| S3-243080 | Evaluation on the solution 14 for KI2 | Huawei, HiSilicon | noted |  |  |
| S3-243081 | Evaluation on the solution 17 for KI3 | Huawei, HiSilicon | merged |  | S3-243483 |
| S3-243082 | Evaluation for KI#1 and KI#2 on N4/SBA Security for solution 3 | Huawei, HiSilicon | revised |  | S3-243469 |
| S3-243083 | solution related to KI2 | Huawei, HiSilicon | revised |  | S3-243609 |
| S3-243084 | Evaluation for solution 3 | Huawei, HiSilicon | merged |  | S3-243498 |
| S3-243085 | Evaluation for solution 5 | Huawei, HiSilicon | merged |  | S3-243501 |
| S3-243086 | Conclusion on KI3 | Huawei, HiSilicon | merged |  | S3-243484 |
| S3-243087 | Evaluation to Use case 4 | Huawei, HiSilicon | revised |  | S3-243494 |
| S3-243088 | Evaluation to Use case 5 | Huawei, HiSilicon | merged |  | S3-243495 |
| S3-243089 | Resolve EN and evaluate to Sol#11 for multi-hop U2U security establishment | Huawei, HiSilicon | revised |  | S3-243669 |
| S3-243090 | Resolve ENs in solution#5 of TR 33.743 | Huawei, HiSilicon | revised |  | S3-243560 |
| S3-243091 | Update solution#5 to add security establishment with more than one intermediate relays | Huawei, HiSilicon | approved |  |  |
| S3-243092 | Evaluates to solution#5 of TR 33.743 | Huawei, HiSilicon | revised |  | S3-243561 |
| S3-243093 | Evaluates to solution#4 of TR 33.743 | Huawei, HiSilicon | revised |  | S3-243568 |
| S3-243094 | Evaluates to solution#6 of TR 33.743 | Huawei, HiSilicon | revised |  | S3-243670 |
| S3-243095 | Evaluates to solution#1 of TR 33.743 | Huawei, HiSilicon | merged |  | S3-243663 |
| S3-243096 | Reply LS on security considerations for 5G ProSe multi-hop relays | Huawei, HiSilicon | noted |  | - |
| S3-243097 | Resolution of EN concerning the content of AN-parameters. | Nokia, Nokia Shanghai Bell, Ericsson, Huawei, HiSilicon, ZTE | revised |  | S3-243405 |
| S3-243098 | DraftCR for TNAP and TWIF case | Huawei, HiSilicon | merged |  | S3-243641 |
| S3-243099 | new conclusion to KI#4 | Huawei, HiSilicon | merged |  | S3-243646 |
| S3-243100 | new conclusion to KI#2 | Huawei, HiSilicon | merged |  | S3-243645 |
| S3-243101 | Remove ENs to KI#1 and KI#3 | Huawei, HiSilicon | merged |  | S3-243644 |
| S3-243102 | Update evaluation to solution 9 | Huawei, HiSilicon | not treated |  |  |
| S3-243103 | Update evaluation to solution 12 | Huawei, HiSilicon | not treated |  |  |
| S3-243104 | Update evaluation to solution 13 | Huawei, HiSilicon | not treated |  |  |
| S3-243105 | Update evaluation to solution 16 | Huawei, HiSilicon | not treated |  |  |
| S3-243106 | Update evaluation to solution 18 | Huawei, HiSilicon | not treated |  |  |
| S3-243107 | Update evaluation to solution 19 | Huawei, HiSilicon | not treated |  |  |
| S3-243108 | Update evaluation to solution 20 | Huawei, HiSilicon | not treated |  |  |
| S3-243109 | hosting party authentication using EAP-AKA’ | Huawei, HiSilicon | approved |  |  |
| S3-243110 | Security solution for backhaul link between 5G NR Femto and 5GC | Huawei, HiSilicon | revised |  | S3-243520 |
| S3-243111 | Security solution for link between 5G NR Femto and 5G NR Femto MS | Huawei, HiSilicon | approved |  |  |
| S3-243112 | Expired certificate checking at gNB to TS 33.511 | Huawei, HiSilicon,CAICT,CTCC, Nokia | approved |  |  |
| S3-243113 | Peer certificate checking at gNB to TS 33.511 | Huawei, HiSilicon,CAICT,CTCC, Nokia | approved |  |  |
| S3-243114 | Add threat to expired certificate checking at gNB | Huawei, HiSilicon | approved |  |  |
| S3-243115 | Add threat to peer certificate checking at gNB | Huawei, HiSilicon | approved |  |  |
| S3-243116 | Add evaluation to solution 20 | Huawei, HiSilicon | revised |  | S3-243456 |
| S3-243117 | New WID Proposal on Mitigations on Bidding Down Attack | Huawei, HiSilicon | noted |  |  |
| S3-243118 | Way forward | Huawei, HiSilicon | merged |  | S3-243511 |
| S3-243119 | Conference call minutes | Huawei, HiSilicon | noted |  |  |
| S3-243120 | Updates to overall summary | Huawei, HiSilicon | revised |  | S3-243659 |
| S3-243121 | Updates to the assumption clause | Huawei, HiSilicon | revised |  | S3-243492 |
| S3-243122 | Conclusion proposal | Huawei, HiSilicon | revised |  | S3-243511 |
| S3-243123 | Resolution of ENs on solution 1 | Huawei, HiSilicon | revised |  | S3-243631 |
| S3-243124 | Evaluation on solution 1 | Huawei, HiSilicon | revised |  | S3-243632 |
| S3-243125 | Update KI2 about privacy of exposure energy related information | Huawei, HiSilicon | merged |  | S3-243607 |
| S3-243126 | New key issue on security aspect of digital asset container in 5G | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Samsung | revised |  | S3-243650 |
| S3-243127 | New solution for KI#1 using Attribute-Based Authorization for the consumers | Huawei, HiSilicon | revised |  | S3-243664 |
| S3-243128 | New solution for user authentication with EAP-PSK | Huawei, HiSilicon | approved |  |  |
| S3-243129 | New Solution on user authentication with user certificate of KI1 | Huawei, HiSilicon | revised |  | S3-243461 |
| S3-243130 | New WID on specification of alternative example f5\* (f5\*\*) function | Ericsson | noted |  |  |
| S3-243131 | Skeleton of specification of alternative example f5\* (f5\*\*) function | Ericsson | noted |  |  |
| S3-243132 | pCR to f5\*\* specification TS | Ericsson | noted |  |  |
| S3-243133 | Presentation of specification of alternative example f5\* (f5\*\*) function | Ericsson | noted |  |  |
| S3-243134 | New key issue for CAPIF interconnection | Ericsson, Nokia | merged |  | S3-243638 |
| S3-243135 | New solution for CAPIF interconnection | Ericsson | noted |  |  |
| S3-243136 | New key issue for nested API invocation | Ericsson | approved |  |  |
| S3-243137 | New key issue for accessing UE resources by an application on another UE | Ericsson, Nokia | merged |  | S3-243640 |
| S3-243138 | Solution for accessing UE resources by an application on another UE | Ericsson | noted |  |  |
| S3-243139 | Key issue on security of resource owner permission management | Ericsson, Nokia | revised |  | S3-243636 |
| S3-243140 | Solution for managing resource owner permission | Ericsson | noted |  |  |
| S3-243141 | Solution mapping | Ericsson | revised |  | S3-243610 |
| S3-243142 | Update of Solution #9: Clarification and removal of Editor's Notes | Ericsson | revised |  | S3-243448 |
| S3-243143 | Update of Solution #9: Resolution of Editor's Note on protection of user ID | Ericsson | revised |  | S3-243449 |
| S3-243144 | Observations on and issues with NAS based solutions to Key Issue #1 of TR 33.700-32 "Authentication and Authorization of Human User ID" | Ericsson, CableLabs, NTT DOCOMO | noted |  |  |
| S3-243145 | Reply LS on User Identities and Authentication Architecture | Ericsson | merged |  | S3-243558 |
| S3-243146 | Update of Solution #11: Resolving Editor's Notes on further clarification | Ericsson | approved |  |  |
| S3-243147 | Update of Solution #11: Resolve Editor's Note on mobility | Ericsson | approved |  |  |
| S3-243148 | Conclusion for Key Issue #3 (authentication and authorization of non-3GPP device behind UE/5G-RG) | Ericsson | merged |  | S3-243465 |
| S3-243149 | New solution for EEC provided information verification: UE ID token | Ericsson | revised |  | S3-243633 |
| S3-243150 | Mapping of solutions to key issues | Ericsson | approved |  |  |
| S3-243151 | Solution for multiple USS case | Ericsson | revised |  | S3-243604 |
| S3-243152 | Conclusion for KI#1 | THALES | withdrawn |  |  |
| S3-243153 | LS on Masking of cryptographic keys in UE trace file from 3GPP core network entities | Ericsson | revised |  | S3-243696 |
| S3-243154 | New key issue about CAPIF interconnection in TR 33.700-22 | China Telecom Corporation Ltd., Xiaomi | revised |  | S3-243638 |
| S3-243155 | New key issue about CAPIF-8 security in TR 33.700-22 | China Telecom Corporation Ltd. | merged |  | S3-243636 |
| S3-243156 | New key issue about Service API invocation authorization with resource owner consent in TR 33.700-22 | China Telecom Corporation Ltd. | merged |  | S3-243636 |
| S3-243157 | Reply LS on User Identities and Authentication Architecture | LG Electronics | merged |  | S3-243558 |
| S3-243158 | New solution for LTM security handling | LG Electronics | revised |  | S3-243529 |
| S3-243159 | Editorial correction for AKMA procedures | LG Electronics | agreed |  |  |
| S3-243160 | Validation of the allowed slices in the access token request at NRF | Ericsson | revised |  | S3-243682 |
| S3-243161 | Validation of the requested slices at NF service producer | Ericsson | revised |  | S3-243683 |
| S3-243162 | Discussion on the NF consumer PLMN ID check | Ericsson | noted |  |  |
| S3-243163 | Support iat claim in the access token | Ericsson | not pursued |  |  |
| S3-243164 | Public key distribution and Issuer claim verification of the Access Token | Ericsson | not pursued |  |  |
| S3-243165 | AIoT: Security assumptions in the 5G system | Ericsson | noted |  |  |
| S3-243166 | New key issue for connectivity authentication in Ambient IoT | Ericsson | noted |  |  |
| S3-243167 | New key issue for application layer authentication in Ambient IoT | Ericsson | noted |  |  |
| S3-243168 | New key issue for Authenticated and authorized access to devices in Ambient IoT via 3GPP core | Ericsson | noted |  |  |
| S3-243169 | AIoT: Security threats for KI on protection of information during AIoT service communication | Ericsson | not treated |  |  |
| S3-243170 | Authorization of AIoT capable UE in topology 2 | Ericsson | not treated |  |  |
| S3-243171 | Conclusion for Key Issue #1 "Security for dedicated UPF interacting with PLMN through N4 interface" | Ericsson | merged |  | S3-243471 |
| S3-243172 | Conclusion for Key Issue #2 "Dedicated NFs interacting with PLMN through SBA interface" | Ericsson | merged |  | S3-243479 |
| S3-243173 | Updating baseline of living document to 33.203 with content of the latest version of TS 33.203 | Ericsson | approved |  |  |
| S3-243174 | Updating baseline of living document to 33.310 with content of the latest version of TS 33.310 | Ericsson | approved |  |  |
| S3-243175 | Updating baseline of living document to 33.501 with content of the latest version of TS 33.501 | Ericsson | approved |  |  |
| S3-243176 | Forbid insecure usage of aes-gcm and aes-gmac | Ericsson | noted |  |  |
| S3-243177 | Incorrect statements about 33.310 | Ericsson | agreed |  |  |
| S3-243178 | Incorrect statements about 33.310 | Ericsson | agreed |  |  |
| S3-243179 | Incorrect statements about 33.310 | Ericsson | agreed |  |  |
| S3-243180 | Incorrect statements about 33.310 | Ericsson | agreed |  |  |
| S3-243181 | Editorials on updates to the SBA certificate profile | Nokia, Ericsson | agreed |  | - |
| S3-243182 | Resolve the EN in Key issue #1 | China Telecom Corporation Ltd. | noted |  |  |
| S3-243183 | update solution #6 in TR 33.743 | China Telecom Corporation Ltd. | revised |  | S3-243562 |
| S3-243184 | Conclusion of KI#1 | China Telecom Corporation Ltd. | noted |  |  |
| S3-243185 | SCPAC: Secondary Node key update for SCPAC | Ericsson | revised |  | S3-243418 |
| S3-243186 | Remove ENs and add evaluation in solution #12 | OPPO | revised |  | S3-243588 |
| S3-243187 | Update KI#4 of TR 33.784 | OPPO | merged |  | S3-243575 |
| S3-243188 | Reusing the exsiting security mechanism for VFL communication data | OPPO | merged |  | S3-243589 |
| S3-243189 | Resolve one EN for Solution#5 | Ericsson | revised |  | S3-243580 |
| S3-243190 | Evaluation of Solution#5 | Ericsson | revised |  | S3-243592 |
| S3-243191 | Resolve other EN for Solution#5 | Ericsson | approved |  |  |
| S3-243192 | Conclusion on KI#4 | OPPO | noted |  |  |
| S3-243193 | Living document on NR mobility enhancement | Samsung | revised |  | S3-243689 |
| S3-243194 | Discussion on LTM from security perspective | Samsung | noted |  |  |
| S3-243195 | Key issue for security aspects of inter-CU LTM | Samsung | revised |  | S3-243522 |
| S3-243196 | Key issue for authenticity verification of Cell Switch Command | Samsung | revised |  | S3-243523 |
| S3-243197 | Solution for security aspects of inter-CU LTM | Samsung | revised |  | S3-243530 |
| S3-243198 | Solution for verifying authenticity of cell switch command | Samsung | noted |  |  |
| S3-243199 | Conclusion for inter-CU LTM | Samsung | noted |  |  |
| S3-243200 | Evaluation for solution#9 | Samsung | approved |  |  |
| S3-243201 | Update to Solution#9 | Samsung | revised |  | S3-243476 |
| S3-243202 | Update to solution#17 | Samsung | revised |  | S3-243483 |
| S3-243203 | Solution to enforce additional policy checks for NF Consumer in PNI-NPN | Samsung | revised |  | S3-243485 |
| S3-243204 | Solution for SUPI privacy | Samsung | revised |  | S3-243690 |
| S3-243205 | Conclusion for KI#1 | Samsung | merged |  | S3-243471 |
| S3-243206 | Conclusion for KI#2 | Samsung | merged |  | S3-243479 |
| S3-243207 | Conclusion for KI#3 | Samsung | merged |  | S3-243484 |
| S3-243208 | Resolution of ENs on user initiated procedure in Solution#16 | Samsung | approved |  |  |
| S3-243209 | Resolution of ENs on Network triggered procedure in Solution#16 | Samsung | approved |  |  |
| S3-243210 | Evaluation for solution#16 | Samsung | revised |  | S3-243450 |
| S3-243211 | Discussion paper on metaverse | Samsung | noted |  |  |
| S3-243212 | Key issue on authentication and authorization of digital representation | Samsung | merged |  | S3-243651 |
| S3-243213 | Solution for digital asset request validation | Samsung | noted |  |  |
| S3-243214 | Solution for security aspects of CAPIF interconnection | Samsung | noted |  |  |
| S3-243215 | Conclusion for KI#1 in TR 33.701 | Samsung, Ericsson, Nokia, Lenovo | merged |  | S3-243511 |
| S3-243216 | Solution for IP address verification | Samsung | revised |  | S3-243634 |
| S3-243217 | Reply LS on Resource content filter | Samsung | revised |  | S3-243678 |
| S3-243218 | Evaluation of solution#7 | Samsung | revised |  | S3-243542 |
| S3-243219 | Resolving EN of solution#8 | Samsung | revised |  | S3-243543 |
| S3-243220 | Evaluation of solution#8 | Samsung | revised |  | S3-243544 |
| S3-243221 | Update to solution#24 | Samsung | revised |  | S3-243549 |
| S3-243222 | Resolving EN of solution#25 | Samsung | revised |  | S3-243546 |
| S3-243223 | Evaluation of solution#25 | Samsung | revised |  | S3-243547 |
| S3-243224 | Update to solution#26 | Samsung | revised |  | S3-243550 |
| S3-243225 | Resolving EN in sol#9 | Samsung | not treated |  |  |
| S3-243226 | Resolving EN in sol#12 | Samsung | not treated |  |  |
| S3-243227 | Resolving EN in sol#19 | Samsung | not treated |  |  |
| S3-243228 | Resolving EN in sol#6 | Samsung | revised |  | S3-243620 |
| S3-243229 | Evaluation for sol#6 | Samsung | revised |  | S3-243621 |
| S3-243230 | New solution on avatar communication | Samsung | revised |  | S3-243624 |
| S3-243231 | pCR to TR33.743 Update clause 3.1 and clause 3.3 | CATT | approved |  |  |
| S3-243232 | Reply LS on enhancement to the protocol stack of IMS Data Channel | China Mobile | merged |  | S3-243407 |
| S3-243233 | New solution of Authentication and authorization in S&F based on onboard EPC | China Mobile, CAICT | revised |  | S3-243553 |
| S3-243234 | Update solution 5 | China Mobile, CAICT | revised |  | S3-243545 |
| S3-243235 | Adding description of non-MSGin5G UE scenarios | China Mobile | approved |  |  |
| S3-243236 | Living document of security aspects of MSGin5G service Ph3 | China Mobile | revised |  | S3-243432 |
| S3-243237 | Discussion on security assumption | China Mobile, CAICT | noted |  |  |
| S3-243238 | Architecture and Security Assumptions  for AIoT services | China Mobile, CAICT | noted |  |  |
| S3-243239 | Reply LS on Clarification of requirements for Ambient IoT | China Mobile | noted |  |  |
| S3-243240 | Draft reply LS on LI considerations for TR 33.757 | China Mobile | revised |  | S3-243410 |
| S3-243241 | Solve EN for Sol#1&5 of TR 33.757 | China Mobile | revised |  | S3-243467 |
| S3-243242 | Solve EN for sol#1&12 of TR 33.757 regarding SA3-LI | China Mobile | revised |  | S3-243386 |
| S3-243243 | Solve EN for solution#12 to align with SA2 | China Mobile, CAICT | noted |  |  |
| S3-243244 | Solve EN for solution#9 to align with SA2 | China Mobile, CAICT | merged |  | S3-243584 |
| S3-243245 | Solve EN for solution#10 to align with SA2 | China Mobile, CAICT | noted |  |  |
| S3-243246 | Terms alignment with SA2 | China Mobile, vivo, CAICT | approved |  |  |
| S3-243247 | Add abbreviations on TR 33.784 | China Mobile, vivo, CAICT | approved |  |  |
| S3-243248 | pCR to TR33.743 Update clause 4 to standardize the use of terminology | CATT | approved |  |  |
| S3-243249 | Discussion on security handling for inter-CU LTM in non-DC cases | OPPO | noted |  |  |
| S3-243250 | Draft LS on reply to LS on FS\_5GSAT\_Ph3\_ARCH conclusions | CATT | noted |  |  |
| S3-243251 | Reply LS on User Identities and Authentication Architecture | OPPO | merged |  | S3-243558 |
| S3-243252 | Key Issue on Authenticating multiple API invokers of the same Resource Owner | Nokia | revised |  | S3-243700 |
| S3-243253 | Update to solution #15 in TR 33.700-29 | Beijing Xiaomi Mobile Software | approved |  |  |
| S3-243254 | Update to solution #16 in TR 33.700-29 | Beijing Xiaomi Mobile Software | approved |  |  |
| S3-243255 | Update to solution #17 in TR 33.700-29 | Beijing Xiaomi Mobile Software | revised |  | S3-243548 |
| S3-243256 | Reply LS on security considerations for 5G ProSe multi-hop relays | Beijing Xiaomi Mobile Software | merged |  | S3-243559 |
| S3-243257 | Update to solution #7 in TR 33.743 | Beijing Xiaomi Mobile Software | revised |  | S3-243569 |
| S3-243258 | Update to solution #8 in TR 33.743 | Beijing Xiaomi Mobile Software | revised |  | S3-243563 |
| S3-243259 | Add the evaluation of solution #7 in TR 33.743 | Beijing Xiaomi Mobile Software | revised |  | S3-243710 |
| S3-243260 | Add the evaluation of solution #8 in TR 33.743 | Beijing Xiaomi Mobile Software | revised |  | S3-243564 |
| S3-243261 | New solution on disabling operation procedure | Beijing Xiaomi Mobile Software | not treated |  |  |
| S3-243262 | New solution on security protection method for Ambient IoT services | Beijing Xiaomi Mobile Software | not treated |  |  |
| S3-243263 | New solution on authorization of intermediate node for Ambient IoT services | Beijing Xiaomi Mobile Software | not treated |  |  |
| S3-243264 | [Draft] Reply LS on User Identities and Authentication Architecture | Xiaomi Technology | merged |  | S3-243558 |
| S3-243265 | Completing the Privacy Check of n UEs for Service Exposure to Client UE | Xiaomi, OPPO, Phillips | revised |  | S3-243684 |
| S3-243266 | LTM: New Solution for Protecting NCC in MAC CE using AS Security Context | Xiaomi Technology | noted |  |  |
| S3-243267 | LTM: New Solution for Protecting NCC in MAC CE using C-RNTI | Xiaomi Technology | noted |  |  |
| S3-243268 | LTM: Solution on Rekeying Sychronization at Handover Completion | Xiaomi Technology | revised |  | S3-243531 |
| S3-243269 | 33.701: Addition to Overall Summary | Xiaomi Technology | noted |  | - |
| S3-243270 | 33.700-32: Update to Solution 8 | Xiaomi Technology | revised |  | S3-243451 |
| S3-243271 | 33.700-32: Update to Solution 22 | Xiaomi Technology | revised |  | S3-243452 |
| S3-243272 | 33.700-32: New Solution on User Authentication with Credential Derived by UIMF | Xiaomi Technology | revised |  | S3-243462 |
| S3-243273 | 33.700-32: New Solution on Privacy Protection for UIP Exposure | Xiaomi Technology | revised |  | S3-243463 |
| S3-243274 | 33.721: Resolve Editor’s Notes in Key Issue 2 | Xiaomi Technology | revised |  | S3-243715 |
| S3-243275 | 33.721: New Solution for Key Issue 2 | Xiaomi Technology | approved |  |  |
| S3-243276 | 33.721: Key Issue on Authentication and Authorization of Avatar | Xiaomi Technology | revised |  | S3-243651 |
| S3-243277 | New WID on 5G Security Assurance Specification (SCAS) for the Container-based Products | Ericsson | noted |  |  |
| S3-243278 | Update KI#4 for Command | OPPO | not treated |  |  |
| S3-243279 | Reply-LS on LS on Resource content filters | Nokia | merged |  | S3-243678 |
| S3-243280 | New KI on AIoT Authentication of Command Use Case | OPPO | noted |  |  |
| S3-243281 | Test Case for Intra-VNF Communication Interface | Ericsson | not pursued |  |  |
| S3-243282 | Solution for Intermediate UE Authorization | OPPO | not treated |  |  |
| S3-243283 | Solution for AIoT Lightweight Authentication Based on 5G-AKA | OPPO | not treated |  |  |
| S3-243284 | Assumption on AIoT Device | OPPO | noted |  |  |
| S3-243285 | Discussion on SS7/MAP interface at SMSF to define MAP filtering and protection requirements for Security Assurance Specifications for SMSF | IIT Bombay | noted |  |  |
| S3-243286 | KI on authentication related to inventory use case | OPPO | noted |  |  |
| S3-243287 | Solution on Disabling Enabling | OPPO | noted |  | - |
| S3-243288 | Solution on temporary ID based AIoT device privacy protection | OPPO | not treated |  |  |
| S3-243289 | Protection requirements on Map interface for Security Assurance Specifications for SMSF | IIT Bombay | revised |  | S3-243420 |
| S3-243290 | Solution on AIoT device ID privacy protection using anonymous key | OPPO | not treated |  |  |
| S3-243291 | Proposed conclusion for KI 1 for user authentication | NTT DOCOMO INC., Ericsson | noted |  |  |
| S3-243292 | Filtering requirements on Map interface for Security Assurance Specifications for SMSF | IIT Bombay | revised |  | S3-243685 |
| S3-243293 | Discussion about the HONTRA related responses from the AMF | Ericsson | noted |  |  |
| S3-243294 | Reply LS on clarification on home network triggered re-authentication | Ericsson | revised |  | S3-243412 |
| S3-243295 | Clarifications for HONTRA procedure with respect to failure cases | Ericsson | not pursued |  | - |
| S3-243296 | Remove Editor's Note from KI#1: Third party specific user identities | Ericsson | approved |  |  |
| S3-243297 | Conclusion for KI#1: Third party specific user identities | Ericsson | noted |  |  |
| S3-243298 | New solution for KI#3: IMS DC capability exposure security based on existing specification | Ericsson | revised |  | S3-243626 |
| S3-243299 | Reply LS on Newly published data channel GSMA PRD TS.66 | Ericsson | revised |  | S3-243411 |
| S3-243300 | Resolve ENs in Solution #2: Security of multi-hop UE-to-Network Relay discovery Model A | Ericsson | revised |  | S3-243706 |
| S3-243301 | Resolve EN in Solution #3: Security of multi-hop UE-to-Network Relay discovery Model B | Ericsson | revised |  | S3-243572 |
| S3-243302 | Resolve EN in Solution#4: Security of multi-hop UE-to-Network Relay communication | Ericsson | revised |  | S3-243565 |
| S3-243303 | Evaluation of Solution #2: Security of multi-hop UE-to-Network Relay discovery Model A | Ericsson | revised |  | S3-243707 |
| S3-243304 | Evaluation of Solution #3: Security of multi-hop UE-to-Network Relay discovery Model B | Ericsson | revised |  | S3-243708 |
| S3-243305 | Evaluation of Solution#4: Security of multi-hop UE-to-Network Relay communication | Ericsson | revised |  | S3-243566 |
| S3-243306 | Resolve EN in KI#1: Security for multi-hop UE-to-Network Relay | Ericsson | noted |  |  |
| S3-243307 | LS Reply to LS on security considerations for 5G ProSe multi-hop relays | Ericsson | merged |  | S3-243559 |
| S3-243308 | Update and evaluation for Solution #5 "Security log events collection for evaluation and monitoring" | Ericsson | revised |  | S3-243501 |
| S3-243309 | New Solution to Key Issue #1: Using security log events, counters and protocol signaling monitoring | Ericsson | revised |  | S3-243504 |
| S3-243310 | New Solution to Key Issue #2: Policy enforcement using NRF configuration and short access token lifetime | Ericsson | revised |  | S3-243615 |
| S3-243311 | Security Log Management specifications in O-RAN Alliance | Ericsson | noted |  |  |
| S3-243312 | New clause on protection of Map interface in annexure to Security Assurance Specification (SCAS) threats specific to SMSF | IIT Bombay | approved |  |  |
| S3-243313 | Addressing ENs in solution #12 in TR 33.700-32 | CableLabs | revised |  | S3-243459 |
| S3-243314 | New clause on Map-based SS7 interface filtering in annexure to Security Assurance Specification (SCAS) threats specific to SMSF | IIT Bombay | approved |  |  |
| S3-243315 | Minor additions/modifications for draft TS 33.529 | IIT Bombay | approved |  |  |
| S3-243316 | Discussion on protecting header information in UPU | Qualcomm Incorporated, Vivo, Oppo | noted |  |  |
| S3-243317 | Protection of UPU header | Qualcomm Incorporated, Vivo, Oppo | noted |  |  |
| S3-243318 | Addition to solution #3 | Qualcomm Incorporated | revised |  | S3-243694 |
| S3-243319 | Security of Satellite Store & Forward Solutions | Qualcomm Incorporated | noted |  |  |
| S3-243320 | Reply LS on FS\_5GSAT\_Ph3\_ARCH conclusions | Qualcomm Incorporated | merged |  | S3-243533 |
| S3-243321 | Discussion on the User Identities LS from SA2 | Qualcomm Incorporated | noted |  |  |
| S3-243322 | Reply LS on User Identities and Authentication Architecture | Qualcomm Incorporated | merged |  | S3-243558 |
| S3-243323 | Updating the conclusion to KI#1 and KI#3 | Qualcomm Incorporated | merged |  | S3-243644 |
| S3-243324 | Proposed conclusion for KI#4 | Qualcomm Incorporated | revised |  | S3-243646 |
| S3-243325 | Update of WID on Security for mobility over non-3GPP access to avoid full primary authentication | Qualcomm Incorporated | agreed | SP-240653 |  |
| S3-243326 | Discussion on normative solutions for KI#1 and KI#3 | Qualcomm Incorporated | noted |  |  |
| S3-243327 | Mobility under a TNGF | Qualcomm Incorporated | revised |  | S3-243641 |
| S3-243328 | Mobility under a TWIF | Qualcomm Incorporated | noted |  |  |
| S3-243329 | Informative text of using FT for NSWO | Qualcomm Incorporated | revised |  | S3-243643 |
| S3-243330 | Fixing the RRC/PDCP anchor for inter-gNB LTM cell switches | Qualcomm Incorporated | revised |  | S3-243532 |
| S3-243331 | reply LS on security considerations for 5G ProSe multi-hop relays | Qualcomm Incorporated | merged |  | S3-243559 |
| S3-243332 | Updates on solution #9 | Qualcomm Incorporated | approved |  |  |
| S3-243333 | Addressing ENs in solution #9 | Qualcomm Incorporated | revised |  | S3-243570 |
| S3-243334 | Adding an evaluation to solution #9 | Qualcomm Incorporated | revised |  | S3-243571 |
| S3-243335 | Updates to solution #10 | Qualcomm Incorporated | approved |  |  |
| S3-243336 | Addressing ENs in solution #10 | Qualcomm Incorporated | approved |  |  |
| S3-243337 | Adding an evaluation to solution #10 | Qualcomm Incorporated | revised |  | S3-243709 |
| S3-243338 | Updates on solution #14 | Qualcomm Incorporated | approved |  |  |
| S3-243339 | Add an evaluation to solution #15 | Qualcomm Incorporated | approved |  |  |
| S3-243340 | A new solution for privacy protection of AIoT device identifier | Qualcomm Incorporated | not treated |  |  |
| S3-243341 | A new solution for end-to-end security protection of command | Qualcomm Incorporated | not treated |  |  |
| S3-243342 | Threat update for KI1 for MiBida | NTT DOCOMO INC.. | approved |  | - |
| S3-243343 | Solution for IP address verification using access token | Samsung | revised |  | S3-243635 |
| S3-243344 | Solution#10 update - Addresing EN | Philips International B.V. | revised |  | S3-243453 |
| S3-243345 | New solution - Ambient IoT ID privacy | Philips International B.V. | not treated |  |  |
| S3-243346 | Solution#1 update - Addressing ENs | Philips International B.V. | not treated |  |  |
| S3-243347 | Update to new SID on security aspects for Multi-Access (DualSteer + ATSSS Ph-4) | Philips International B.V. | noted |  |  |
| S3-243348 | Evaluation of Solution#13 | Philips International B.V. | merged |  |  |
| S3-243349 | Evaluation of Solution#22 | Philips International B.V. | merged |  | S3-243540 |
| S3-243350 | Emergency Service over UE-to-Network relay - PEI status check | Philips International B.V. | withdrawn |  |  |
| S3-243351 | New solution for protecting AIoT ID | Samsung | not treated |  |  |
| S3-243352 | Resolution of EN concerning privacy. | Nokia | revised |  | S3-243607 |
| S3-243353 | Update of mapping table | Nokia | merged |  | S3-243610 |
| S3-243354 | KI Authentication and identity of type 1 and 2 devices | Nokia | noted |  |  |
| S3-243355 | Update to KI#4 | Nokia | not treated |  |  |
| S3-243356 | Resolution of EN concerning message inspection, filtering and topology hiding – solution 13. | Nokia, Nokia Shanghai Bell | noted |  | - |
| S3-243357 | Resolution of editors note concerning message inspection/filtering and topology hiding – solution 14. | Nokia, Nokia Shanghai Bell | revised |  | S3-243478 |
| S3-243358 | Evaluation of solution 13 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-243359 | Evaluation of solution 14 | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-243360 | Conclusion to KI#1 | Nokia, Nokia Shanghai Bell, Johns Hopkins University APL | merged |  | S3-243471 |
| S3-243361 | Conclusion to KI#2 | Nokia, Nokia Shanghai Bell, Johns Hopkins University APL | merged |  | S3-243479 |
| S3-243362 | Removal of ENs to solution 14 in MiBiDA | NTT DOCOMO INC.. | merged |  | S3-243508 |
| S3-243363 | Security for Map-based SS7 interface | IIT Bombay | not pursued |  |  |
| S3-243364 | New UE configuration based solution for MibidA | NTT DOCOMO INC.. | revised |  | S3-243510 |
| S3-243365 | KI#1, Solution #3 Updates: Data Collection | OTD\_US, MITRE | revised | S3-242838 | S3-243498 |
| S3-243366 | LS on obtaining user consent for the exposure of User Sensitive Information | S6a240323 | postponed |  |  |
| S3-243367 | Add evaluation for sol#2 | Xiaomi Communications | revised |  | S3-243577 |
| S3-243368 | Add evaluation for sol#7 | Xiaomi Communications | revised |  | S3-243594 |
| S3-243369 | Add evaluation for sol#8 | Xiaomi Communications | revised |  | S3-243595 |
| S3-243370 | Resolve ENs for sol#7 | Xiaomi Communications | revised |  | S3-243582 |
| S3-243371 | Resolve ENs for sol#8 | Xiaomi Communications | revised |  | S3-243583 |
| S3-243372 | Conclusions for KI#1 and KI#2 | Xiaomi Communications | merged |  | S3-243602 |
| S3-243373 | add high-level architectures for TR 33.700-22 | Xiaomi Communications | revised |  | S3-243716 |
| S3-243374 | add scope for TR 33.700-22 | Xiaomi Communications | noted |  |  |
| S3-243375 | draft\_TR 33.700-22 skeleton FS\_CAPIF\_Ph3-sec | Xiaomi Communications | revised |  | S3-243637 |
| S3-243376 | New KI\_Key issue on API invoker on one UE accessing resources owned by another UE | Xiaomi Communications | revised |  | S3-243640 |
| S3-243377 | New KI\_Key issue on security of resource owner consent management | Xiaomi Communications | merged |  | S3-243636 |
| S3-243378 | Add conclusion to KI#2 | Xiaomi Communications | merged |  | S3-243479 |
| S3-243379 | Update sol#8 for wrong NF type handling | Xiaomi Communications | revised |  | S3-243475 |
| S3-243380 | Update sol#10 for message handling | Xiaomi Communications | revised |  | S3-243477 |
| S3-243381 | Update solution #13 in TR 33.700-32 | China Telecomunication Corp. | noted |  |  |
| S3-243382 | Update the Key issue #3 in TR 33.700-32 | China Telecomunication Corp. | noted |  |  |
| S3-243383 | Emergency Service over UE-to-Network relay - PEI status check | Philips International B.V | not pursued |  |  |
| S3-243384 | Additional requirements for Key issue on CAPIF interconnection security | Nokia | merged |  | S3-243638 |
| S3-243385 | 33.701: Update to Solution 4 | Xiaomi EV Technology | approved |  |  |
| S3-243386 | Solve EN for sol#1&12 of TR 33.757 regarding SA3-LI | China Mobile | approved | S3-243242 | - |
| S3-243387 | Solution for Authentication, Authorization of AIoT devices with USIM on AIoT AS Layer | Lenovo | not treated |  |  |
| S3-243388 | Solution for Authentication, Authorization of AIoT devices with USIM on AIoT Layer | Lenovo | not treated |  |  |
| S3-243389 | Solution for Authentication, Authorization and ID privacy of AIoT devices without USIM | Lenovo | not treated |  |  |
| S3-243390 | LS reply to 3GPP Reply-LS on PQC Migration | GSMA | postponed | - | - |
| S3-243391 | LS on clarification on home network triggered re-authentication | C4-235577 | replied to | - | - |
| S3-243392 | Draft TR 33.784 | China Mobile | approved | - | - |
| S3-243393 | Newly published data channel GSMA PRD TS.66 | GSMA | withdrawn | - | - |
| S3-243394 | Version 2.0 of 256-bit AICI. | ETSI SAGE | postponed | - | - |
| S3-243395 | Evaluation to Solution #1 | Google | revised | - | S3-243657 |
| S3-243396 | Evaluation to Solution #4 | Google | approved | - | - |
| S3-243397 | Proposed solution for certificate enrolment | Google, JHU APL | revised | - | S3-243486 |
| S3-243398 | Proposed solution for Secure Transport of Messages | Google | revised | - | S3-243662 |
| S3-243399 | Rejecting security mode by the UE | Google | noted | - | - |
| S3-243400 | New mini WID on rejecting insecure security algorithms in NAS SMC procedure | Google | noted | - | - |
| S3-243401 | Rejecting insecure security algorithms in NAS SMC procedure | Google | noted | - | - |
| S3-243402 | LS on security visibility for user or application | Google | noted | - | - |
| S3-243403 | Remove unnecessary complexity from UDM test case | BSI | approved | - | - |
| S3-243404 | Add an OAuth2.0 test case to check for the absence of an access token | BSI | approved | - | - |
| S3-243405 | CR resubmission - the content of AN-parameters | Huawei, HiSilicon | agreed | S3-243097 | - |
| S3-243406 | Detail agenda planning for SA3#117 | SA WG3 Chair | noted | S3-242703 | - |
| S3-243407 | Reply to: LS on enhancement to the protocol stack of IMS Data Channel | China Mobile | noted | - | - |
| S3-243408 | Reply LS to SA6 on Clarification related to Internal 5G Core information expose to trusted AF | Huawei, HiSilicon | noted | S3-242898 | - |
| S3-243409 | Discussion for LS S2-2407236 on User Identities | Interdigital | noted | - | - |
| S3-243410 | Reply LS on LI considerations for TR 33.757 | China Mobile | approved | S3-243240 | - |
| S3-243411 | Reply LS on Newly published data channel GSMA PRD TS.66 | Ericsson | approved | S3-243299 | - |
| S3-243412 | Reply LS on clarification on home network triggered re-authentication | Ericsson | approved | S3-243294 | - |
| S3-243413 | update to AKMA service disabling | Huawei, HiSilicon | agreed | S3-243053 | - |
| S3-243414 | Correct the Federal Learning procedure | Huawei, HiSilicon | agreed | S3-243064 | - |
| S3-243415 | MPQUIC TLS Annex | Intel, Nokia, Charter Communications, | agreed | S3-242964 | - |
| S3-243416 | Editorials on updates to the SBA certificate profile | Nokia, Ericsson | agreed | - | - |
| S3-243417 | Replacing DCMF with MF | Huawei, HiSilicon | agreed | S3-243048 | - |
| S3-243418 | SCPAC: Secondary Node key update for SCPAC | Ericsson | agreed | S3-243185 | - |
| S3-243419 | Add specific UDR SCAS test cases for TS 33.530 | BSI (DE) | noted | S3-242759 | - |
| S3-243420 | Protection requirements on Map interface for Security Assurance Specifications for SMSF | IIT Bombay | noted | S3-243289 | - |
| S3-243421 | Draft TS 33.529 | approved | approved | - | - |
| S3-243422 | Content of TS 35.234 | THALES | approved | S3-242979 | - |
| S3-243423 | Content of TS 35.235 | THALES | approved | S3-242980 | - |
| S3-243424 | Content of TS 35.236 | THALES | approved | S3-242982 | - |
| S3-243425 | Draft TS 35.234 | Thales | approved | - | - |
| S3-243426 | Draft TS 35.235 | Thales | approved | - | - |
| S3-243427 | Draft TS 35.236 | Thales | approved | - | - |
| S3-243428 | Living document for CryptoSP: draftCR to TS 33.501, Updates to cryptographic profiles | Ericsson | approved | S3-242781 | - |
| S3-243429 | Living document for CryptoSP: draftCR to TS 33.210, Updates to cryprographic profiles | Ericsson | approved | S3-242782 | - |
| S3-243430 | Living document for CryptoSP: draftCR to TS 33.310, Updates to cryptographic profiles | Ericsson | approved | S3-242783 | - |
| S3-243431 | Living document for CryptoSP: draftCR to TS 33.203, Updates to cryptographic profiles | Ericsson | approved | S3-242784 | - |
| S3-243432 | Living document of security aspects of MSGin5G service Ph3 | China Mobile | approved | S3-243236 | - |
| S3-243433 | CR for living document TITLE TO BE PROVIDED BY CMCC | China Mobile | agreed | - | - |
| S3-243434 | Living document for Rel-19 SCAS TS 33.117 | Huawei | approved | - | - |
| S3-243435 | Test Case on No Default Content | Nokia, Nokia Shanghai Bell | approved | S3-242770 | - |
| S3-243436 | Test Case on No Directory Listings | Nokia, Nokia Shanghai Bell | approved | S3-242771 | - |
| S3-243437 | Test Case on No Web Server Error Pages Info | Nokia, Nokia Shanghai Bell | approved | S3-242773 | - |
| S3-243438 | Draft CR TR 33.926 SCAS\_5G\_Maint | Huawei | approved | - | - |
| S3-243439 | Draft CR TS 33.511 | Huawei | approved | - | - |
| S3-243440 | TR 33.700-32 update solution #2 | InterDigital Canada | approved | S3-242850 | - |
| S3-243441 | TR 33.700-32 update solution #3 | InterDigital Canada | approved | S3-242851 | - |
| S3-243442 | Sol#5 update to address ENs | Huawei, HiSilicon | approved | S3-242884 | - |
| S3-243443 | Sol#5 evaluation | Huawei, HiSilicon | approved | S3-242885 | - |
| S3-243444 | add evaluation to Solution#4 | ZTE Corporation | approved | S3-242928 | - |
| S3-243445 | Draft TR 33.700-32 | Interdigital | approved | - | - |
| S3-243446 | Enhancing solution 15 | Nokia | approved | S3-242940 | - |
| S3-243447 | Evaluation to solution 6 to address KI#1 | Huawei, HiSilicon | approved | S3-243038 | - |
| S3-243448 | Update of Solution #9: Clarification and removal of Editor's Notes | Ericsson | approved | S3-243142 | - |
| S3-243449 | Update of Solution #9: Resolution of Editor's Note on protection of user ID | Ericsson | approved | S3-243143 | - |
| S3-243450 | Evaluation for solution#16 | Samsung | approved | S3-243210 | - |
| S3-243451 | 33.700-32: Update to Solution 8 | Xiaomi Technology | approved | S3-243270 | - |
| S3-243452 | 33.700-32: Update to Solution 22 | Xiaomi Technology | approved | S3-243271 | - |
| S3-243453 | Solution#10 update - Addresing EN | Philips International B.V. | approved | S3-243344 | - |
| S3-243454 | Sol#19 update to address ENs | Huawei, HiSilicon | approved | S3-242886 | - |
| S3-243455 | Enhancing solution 17 | Nokia | approved | S3-242943 | - |
| S3-243456 | Add evaluation to solution 20 | Huawei, HiSilicon | approved | S3-243116 | - |
| S3-243457 | Updates to Solution #14 | Lenovo | approved | S3-242751 | - |
| S3-243458 | Sol#21 evaluation | Huawei, HiSilicon | approved | S3-242889 | - |
| S3-243459 | Addressing ENs in solution #12 in TR 33.700-32 | CableLabs | approved | S3-243313 | - |
| S3-243460 | User ID privacy protection based on EAP-TLS protocol using pseudonym mechanism | Huawei, HiSilicon | approved | S3-243036 | - |
| S3-243461 | New Solution on user authentication with user certificate of KI1 | Huawei, HiSilicon | approved | S3-243129 | - |
| S3-243462 | 33.700-32: New Solution on User Authentication with Credential Derived by UIMF | Xiaomi Technology | approved | S3-243272 | - |
| S3-243463 | 33.700-32: New Solution on Privacy Protection for UIP Exposure | Xiaomi Technology | approved | S3-243273 | - |
| S3-243464 | KI2 update | Nokia | noted | S3-243050 | - |
| S3-243465 | Conclusion for KI#3 in TR 33.700-32 | CableLabs, Charter Communications | approved | S3-242856 | - |
| S3-243466 | Updates to Solution #1 | Lenovo | approved | S3-242752 | - |
| S3-243467 | Solve EN for Sol#1&5 of TR 33.757 | China Mobile | approved | S3-243241 | - |
| S3-243468 | Draft TR 33.757 | China Telecom | approved | - | - |
| S3-243469 | Evaluation for KI#1 and KI#2 on N4/SBA Security for solution 3 | Huawei, HiSilicon | approved | S3-243082 | - |
| S3-243470 | Resolution of EN concerning message inspection, filtering and topology hiding – solution 13. | Nokia, Nokia Shanghai Bell | withdrawn | - | - |
| S3-243471 | Conclusion to KI#1 | China Telecomunication Corp.,ZTE, Huawei, HiSilicon, China Mobile | noted | S3-243018 | - |
| S3-243472 | Addressing the EN and evaluation of Solution#4 | Huawei, HiSilicon | withdrawn | - | - |
| S3-243473 | Evaluation to solution#6 | China Telecomunication Corp. | approved | S3-243013 | - |
| S3-243474 | Evaluation to solution#7 | China Telecomunication Corp. | approved | S3-243017 | - |
| S3-243475 | Update sol#8 for wrong NF type handling | Xiaomi Communications | approved | S3-243379 | - |
| S3-243476 | Update to Solution#9 | Samsung | approved | S3-243201 | - |
| S3-243477 | Update sol#10 for message handling | Xiaomi Communications | approved | S3-243380 | - |
| S3-243478 | Resolution of editors note concerning message inspection/filtering and topology hiding – solution 14. | Nokia, Nokia Shanghai Bell | approved | S3-243357 | - |
| S3-243479 | Conclusion to KI#2 | China Telecomunication Corp., ZTE, Huawei, HiSilicon, China Mobile | approved | S3-243020 | - |
| S3-243480 | Updates to Solution#11 | Lenovo | approved | S3-242750 | - |
| S3-243481 | Update the Sol#15 | ZTE Corporation | approved | S3-242911 | - |
| S3-243482 | Update the Sol#16 | ZTE Corporation | approved | S3-242912 | - |
| S3-243483 | Update to solution#17 | Samsung | approved | S3-243202 | - |
| S3-243484 | Conclusion to KI#3 | ZTE Corporation | noted | S3-242909 | - |
| S3-243485 | Solution to enforce additional policy checks for NF Consumer in PNI-NPN | Samsung | approved | S3-243203 | - |
| S3-243486 | Proposed solution for certificate enrolment | Google, JHU APL | approved | S3-243397 | - |
| S3-243487 | Solution on certificate revocation | Johns Hopkins University APL, Cisco Systems, MITRE-FFRDC, US National Security Agency | approved | S3-242854 | - |
| S3-243488 | update to Sol#1 | Huawei, HiSilicon | approved | S3-242892 | - |
| S3-243489 | update to Sol#3 | Huawei, HiSilicon | noted | S3-242893 | - |
| S3-243490 | overall evaluation for KI#1 | Huawei, HiSilicon | noted | S3-242894 | - |
| S3-243491 | overall evaluation for KI#3 | Huawei, HiSilicon | noted | S3-242895 | - |
| S3-243492 | Updates to the assumption clause | Huawei, HiSilicon | approved | S3-243121 | - |
| S3-243493 | New Use case proposal for data exposure related to attacks on network slices | IRT, Nokia, Nokia Shanghai Bell | approved | S3-242815 | - |
| S3-243494 | Evaluation to Use case 4 | Huawei, HiSilicon | approved | S3-243087 | - |
| S3-243495 | Addressing EN in Use Case 5 | U.S. National Security Agency, Johns Hopkins University APL, OTD\_US, MITRE-FFRDC | approved | S3-242899 | - |
| S3-243496 | Updates to Solution #2 | Lenovo, Johns Hopkins University APL, US National Security Agency | approved | S3-242748 | - |
| S3-243497 | Updates to Solution#1 | Lenovo, Johns Hopkins University APL, US National Security Agency | approved | S3-242749 | - |
| S3-243498 | KI#1, Solution #3 Updates: Data Collection | OTD\_US, MITRE | approved | S3-243365 | - |
| S3-243499 | EN removal for solution #4 | Nokia | approved | S3-243007 | - |
| S3-243500 | Evaluation for solution #4 | Nokia | approved | S3-243008 | - |
| S3-243501 | Update and evaluation for Solution #5 "Security log events collection for evaluation and monitoring" | Ericsson | approved | S3-243308 | - |
| S3-243502 | New solution for KI #1 Data Collection using DCCF | MITRE-FFRDC | approved | S3-242869 | - |
| S3-243503 | New solution for data collection related to API security risks | Nokia | approved | S3-243001 | - |
| S3-243504 | New Solution to Key Issue #1: Using security log events, counters and protocol signaling monitoring | Ericsson | approved | S3-243309 | - |
| S3-243505 | Initial Conclusion to KI#1 | Lenovo, US National Security Agency, MITRE-FFRDC, Nokia, Nokia Shanghai Bell, Ericsson, NTIA, Deutsche Telekom, T-Mobile US, BT, Charter Communications, Cablelabs, Peraton Labs, Intel, IRT Saint Exupery, Johns Hopkins University APL, Samsung, CISA ECD | approved | S3-242746 | - |
| S3-243506 | Threat update for KI1 for MiBida | NTT DOCOMO INC.. | withdrawn | - | - |
| S3-243507 | MiBiDA - Update solution#10 | Apple | approved | S3-242994 | - |
| S3-243508 | Solution #14 | THALES | approved | S3-242965 | - |
| S3-243509 | New Solution Mitigation of Roaming Attack | vivo | approved | S3-242801 | - |
| S3-243510 | New UE configuration based solution for MibidA | NTT DOCOMO INC.. | approved | S3-243364 | - |
| S3-243511 | Conclusion proposal | Huawei, HiSilicon | revised | S3-243122 | S3-243691 |
| S3-243512 | Evaluation to solution#2 in TR 33.745 | China Telecomunication Corp. | approved | S3-242987 | - |
| S3-243513 | update to Solution#1 ownership security | ZTE | approved | S3-243004 | - |
| S3-243514 | Updates for solution #4 | Nokia | approved | S3-243016 | - |
| S3-243515 | New Solution to KI#7: Verify and authorise direct connections between 5G NR Femtos | China Mobile Com. Corporation | approved | S3-242794 | - |
| S3-243516 | New Solution for Security of 5G NR Femto Ownership | Nokia | approved | S3-243011 | - |
| S3-243517 | New Solution for Femto Owner one time registration with operator network | Nokia | approved | S3-243012 | - |
| S3-243518 | Alignment of terminology of 5G femto | Nokia | approved | - | - |
| S3-243519 | New Solution for Support of 5G Femto location security | Nokia | approved | S3-243014 | - |
| S3-243520 | Security solution for backhaul link between 5G NR Femto and 5GC | Huawei, HiSilicon | approved | S3-243110 | - |
| S3-243521 | New KI on Requirements for traffic monitoring and anomaly behavior analysis of 5G Femto | China Mobile Com. Corporation | noted | S3-242796 | - |
| S3-243522 | Key issue for security aspects of inter-CU LTM | Samsung | approved | S3-243195 | - |
| S3-243523 | Key issue for authenticity verification of Cell Switch Command | Samsung | noted | S3-243196 | - |
| S3-243524 | 1-Hop Forward Security Solution for LTM | vivo | approved | S3-242798 | - |
| S3-243525 | Solution for Inter-CU LTM | Nokia, Nokia Shanghai Bell | approved | S3-242818 | - |
| S3-243526 | NCC synchronization solution for LTM | ZTE Corporation | approved | S3-242908 | - |
| S3-243527 | LTM - content on living CR - Candidate solution#1 | Apple | approved | S3-242997 | - |
| S3-243528 | LTM - content on living CR - Candidate solution#2 | Apple | approved | S3-242998 | - |
| S3-243529 | New solution for LTM security handling | LG Electronics | approved | S3-243158 | - |
| S3-243530 | Solution for security aspects of inter-CU LTM | Samsung | approved | S3-243197 | - |
| S3-243531 | LTM: Solution on Rekeying Sychronization at Handover Completion | Xiaomi Technology | approved | S3-243268 | - |
| S3-243532 | Fixing the RRC/PDCP anchor for inter-gNB LTM cell switches | Qualcomm Incorporated | approved | S3-243330 | - |
| S3-243533 | LS on reply to LS on FS\_5GSAT\_Ph3\_ARCH conclusions | Nokia | approved | S3-242764 | - |
| S3-243534 | Update the KI#1 | ZTE Corporation | approved | S3-242919 | - |
| S3-243535 | An Update for Solution #21: Remediation of unauthenticated (D)DOS in S&F | InterDigital Communications | approved | S3-242846 | - |
| S3-243536 | An Update for the Evaluation of Solution #21 | InterDigital Communications | approved | S3-242847 | - |
| S3-243537 | Evaluation for Solution #13 | ZTE Corporation | approved | S3-242920 | - |
| S3-243538 | Solution 6 update with evaluation | Nokia | approved | S3-243002 | - |
| S3-243539 | Remove ENs and update evaluation in Solution #12 | OPPO | approved | S3-242985 | - |
| S3-243540 | Solution 22 updates with evaluation | Nokia | approved | S3-243005 | - |
| S3-243541 | Evaluation update on solution 18 | Huawei, HiSilicon | approved | S3-243058 | - |
| S3-243542 | Evaluation of solution#7 | Samsung | approved | S3-243218 | - |
| S3-243543 | Resolving EN of solution#8 | Samsung | approved | S3-243219 | - |
| S3-243544 | Evaluation of solution#8 | Samsung | approved | S3-243220 | - |
| S3-243545 | Update solution 5 | China Mobile, CAICT | approved | S3-243234 | - |
| S3-243546 | Resolving EN of solution#25 | Samsung | approved | S3-243222 | - |
| S3-243547 | Evaluation of solution#25 | Samsung | approved | S3-243223 | - |
| S3-243548 | Update to solution #17 in TR 33.700-29 | Beijing Xiaomi Mobile Software | approved | S3-243255 | - |
| S3-243549 | Update to solution#24 | Samsung | approved | S3-243221 | - |
| S3-243550 | Update to solution#26 | Samsung | approved | S3-243224 | - |
| S3-243551 | pCR to TR33.700-29 New solution on anti DoS attacks and privacy protection for S&F operations | CATT | approved | S3-242865 | - |
| S3-243552 | Security protection based on AKA procedure in S&F operation with a full CN onboard the satellite | Huawei, HiSilicon | approved | S3-243033 | - |
| S3-243553 | New solution of Authentication and authorization in S&F based on onboard EPC | China Mobile, CAICT | approved | S3-243233 | - |
| S3-243554 | Interim GUTI privacy protection based on pseudonym UE IDs | Huawei, HiSilicon | approved | S3-243034 | - |
| S3-243555 | Draft TR 33.700-29 | CATT | approved | - | - |
| S3-243556 | Draft TR 33.745 | ZTE | approved | - | - |
| S3-243557 | Draft TR 33.701 | Huawei | approved | - | - |
| S3-243558 | LS Replay on User Identities and Authentication Architecture | InterDigital Canada | approved | S3-242852 | - |
| S3-243559 | Reply LS on security considerations for 5G ProSe multi-hop relays | Huawei, HiSilicon | withdrawn | - | - |
| S3-243560 | Resolve ENs in solution#5 of TR 33.743 | Huawei, HiSilicon | approved | S3-243090 | - |
| S3-243561 | Evaluates to solution#5 of TR 33.743 | Huawei, HiSilicon | approved | S3-243092 | - |
| S3-243562 | update solution #6 in TR 33.743 | China Telecom Corporation Ltd. | approved | S3-243183 | - |
| S3-243563 | Update to solution #8 in TR 33.743 | Beijing Xiaomi Mobile Software | approved | S3-243258 | - |
| S3-243564 | Add the evaluation of solution #8 in TR 33.743 | Beijing Xiaomi Mobile Software | approved | S3-243260 | - |
| S3-243565 | Resolve EN in Solution#4: Security of multi-hop UE-to-Network Relay communication | Ericsson | approved | S3-243302 | - |
| S3-243566 | Evaluation of Solution#4: Security of multi-hop UE-to-Network Relay communication | Ericsson | approved | S3-243305 | - |
| S3-243567 | Draft TR 33.743 | Huawei | approved | - | - |
| S3-243568 | Evaluates to solution#4 of TR 33.743 | Huawei, HiSilicon | approved | S3-243093 | - |
| S3-243569 | Update to solution #7 in TR 33.743 | Beijing Xiaomi Mobile Software | approved | S3-243257 | - |
| S3-243570 | Addressing ENs in solution #9 | Qualcomm Incorporated | approved | S3-243333 | - |
| S3-243571 | Adding an evaluation to solution #9 | Qualcomm Incorporated | approved | S3-243334 | - |
| S3-243572 | Resolve EN in Solution #3: Security of multi-hop UE-to-Network Relay discovery Model B | Ericsson | approved | S3-243301 | - |
| S3-243573 | Conclusion of KI#2 | China Telecom Corporation Ltd. | noted | S3-243043 | - |
| S3-243574 | Update on Key Issue#1 | vivo, CAICT | withdrawn | - | - |
| S3-243575 | Update on Key Issue#4 | vivo, CAICT | approved | S3-242806 | - |
| S3-243576 | New solution on KI#1 Authorization for LCS Data Storage and Retrieval | vivo, CAICT | approved | S3-242808 | - |
| S3-243577 | Add evaluation for sol#2 | Xiaomi Communications | approved | S3-243367 | - |
| S3-243578 | Enhancing solution 3 | Nokia | approved | S3-242946 | - |
| S3-243579 | EN Address for Solution#4 Authorization of VLF member selection | vivo, CAICT | approved | S3-242809 | - |
| S3-243580 | Resolve one EN for Solution#5 | Ericsson | approved | S3-243189 | - |
| S3-243581 | Addressing the EN on the authorization mechanism through NRF and NEF for AF outside the PLMN | Huawei, HiSilicon | approved | S3-243031 | - |
| S3-243582 | Resolve ENs for sol#7 | Xiaomi Communications | approved | S3-243370 | - |
| S3-243583 | Resolve ENs for sol#8 | Xiaomi Communications | approved | S3-243371 | - |
| S3-243584 | Resolution of EN on solution 9 for KI#3 | Huawei, HiSilicon | approved | S3-243063 | - |
| S3-243585 | Update for Solution#10 Privacy of Simple alignment | vivo, CAICT | approved | S3-242811 | - |
| S3-243586 | Resolve the EN and update Solution #11 | Ericsson | approved | S3-243052 | - |
| S3-243587 | Adding Enn on the solution 11 for KI#3 | Huawei, HiSilicon | approved | S3-243077 | - |
| S3-243588 | Remove ENs and add evaluation in solution #12 | OPPO | approved | S3-243186 | - |
| S3-243589 | Solution to KI#4 : Security of communication data used in VFL training process | Huawei, HiSilicon | approved | S3-243075 | - |
| S3-243590 | Solution 3 evaluation | Nokia | approved | S3-242947 | - |
| S3-243591 | Evaluation for Solution#4 Authorization of VLF member selection | vivo, CAICT | approved | S3-242810 | - |
| S3-243592 | Evaluation of Solution#5 | Ericsson | approved | S3-243190 | - |
| S3-243593 | Evaluation to the solution on an authorization mechanism through NRF and NEF for AF outside the PLMN | Huawei, HiSilicon | approved | S3-243032 | - |
| S3-243594 | Add evaluation for sol#7 | Xiaomi Communications | approved | S3-243368 | - |
| S3-243595 | Add evaluation for sol#8 | Xiaomi Communications | approved | S3-243369 | - |
| S3-243596 | Evaluation on solution 9 for KI#3 | Huawei, HiSilicon | approved | S3-243066 | - |
| S3-243597 | Evaluation on the solution 10 for KI#3 | Huawei, HiSilicon | approved | S3-243076 | - |
| S3-243598 | Update of Solution #5: UE authentication and traffic protection in ATSSS-Lite | Ericsson | approved | S3-243046 | - |
| S3-243599 | Draft TR 33.754 | Intel | approved | - | - |
| S3-243600 | Add evaluation to solution 1 | Huawei, HiSilicon | approved | S3-243069 | - |
| S3-243601 | Address EN for solution 6 | Huawei, HiSilicon | approved | S3-243070 | - |
| S3-243602 | Cleanup TR 33.754: Key issues | Intel Technology India Pvt Ltd | approved | S3-242958 | - |
| S3-243603 | Draft TR 33.759 | Ericsson | approved | - | - |
| S3-243604 | Solution for multiple USS case | Ericsson | approved | S3-243151 | - |
| S3-243605 | TR 33.759 update solution #1 | InterDigital Canada | approved | S3-242848 | - |
| S3-243606 | Drraft TR 33.766 | Ericsson | approved | - | - |
| S3-243607 | Resolution of EN concerning privacy. | Nokia | approved | S3-243352 | - |
| S3-243608 | Update of Solution #1: Solution reusing existing interfaces and security mechanisms for energy related information collection | Ericsson | approved | S3-242986 | - |
| S3-243609 | solution related to KI2 | Huawei, HiSilicon | approved | S3-243083 | - |
| S3-243610 | Solution mapping | Ericsson,Nokia | approved | S3-243141 | - |
| S3-243611 | Solution to KI#2 | Lenovo, US National Security Agency | approved | S3-242747 | - |
| S3-243612 | Draft TR 33.794 | Motorola Mobility | approved | - | - |
| S3-243613 | Solution for enhancement of SBA access control decision mechanisms | Nokia | approved | S3-242833 | - |
| S3-243614 | New solution for KI#2: Dynamic Security Policy Enforcement Framework | MITRE-FFRDC, Defense Information Systems Agency EM | approved | S3-242867 | - |
| S3-243615 | New Solution to Key Issue #2: Policy enforcement using NRF configuration and short access token lifetime | Ericsson | approved | S3-243310 | - |
| S3-243616 | Update Sol3 on Support of Third Party specific User Identities in IMS | Nokia, Nokia Shanghai Bell | approved | S3-242872 | - |
| S3-243617 | Addressing the EN on details of determining the received Avatar ID of solution 5 | Huawei, HiSilicon | approved | S3-243024 | - |
| S3-243618 | Addressing the ENs on token related details and alignment of SA2 for solution#5 | Huawei, HiSilicon | approved | S3-243023 | - |
| S3-243619 | Evaluation on Solution#5 | Huawei, HiSilicon | approved | S3-243025 | - |
| S3-243620 | Resolving EN in sol#6 | Samsung | approved | S3-243228 | - |
| S3-243621 | Evaluation for sol#6 | Samsung | approved | S3-243229 | - |
| S3-243622 | Update Sol7 on Protect IMS DC based Avatar Communication | Nokia, Nokia Shanghai Bell | approved | S3-242873 | - |
| S3-243623 | Update sol9 on Secure IMS DC capability exposure | Nokia, Nokia Shanghai Bell | approved | S3-242870 | - |
| S3-243624 | New solution on avatar communication | Samsung | approved | S3-243230 | - |
| S3-243625 | A new solution on the security of IMS DC capability exposure | Huawei, HiSilicon | approved | S3-243026 | - |
| S3-243626 | New solution for KI#3: IMS DC capability exposure security based on existing specification | Ericsson | approved | S3-243298 | - |
| S3-243627 | A new solution on authorizing AF to retrieve UE ID | Huawei, HiSilicon | approved | S3-243028 | - |
| S3-243628 | Solution for security retrieval of 5G UE Id and privacy related information | Nokia, Nokia Shanghai Bell | approved | S3-242828 | - |
| S3-243629 | Solution for secure retrieval of 5G UE privacy related information based on AKMA | Nokia, Nokia Shanghai Bell | approved | S3-242829 | - |
| S3-243630 | MEC - Soltuion on EEC provided Information authentication | Apple | approved | S3-242999 | - |
| S3-243631 | Resolution of ENs on solution 1 | Huawei, HiSilicon | approved | S3-243123 | - |
| S3-243632 | Evaluation on solution 1 | Huawei, HiSilicon | approved | S3-243124 | - |
| S3-243633 | New solution for EEC provided information verification: UE ID token | Ericsson | approved | S3-243149 | - |
| S3-243634 | Solution for IP address verification | Samsung | approved | S3-243216 | - |
| S3-243635 | Solution for IP address verification using access token | Samsung | approved | S3-243343 | - |
| S3-243636 | Key issue on security of resource owner authorization management | Ericsson, Nokia | approved | S3-243139 | - |
| S3-243637 | draft\_TR 33.700-22 skeleton FS\_CAPIF\_Ph3-sec | Xiaomi Communications | approved | S3-243375 | - |
| S3-243638 | New key issue about CAPIF interconnection in TR 33.700-22 | China Telecom Corporation Ltd., Xiaomi,Nokia | approved | S3-243154 | - |
| S3-243639 | New key issue for CAPIF interconnection | Ericsson, Nokia | withdrawn | - | - |
| S3-243640 | New KI\_Key issue on API invoker on one UE accessing resources owned by another UE | Xiaomi Communications,Nokia | approved | S3-243376 | - |
| S3-243641 | Mobility under a TNGF | Qualcomm Incorporated | noted | S3-243327 | - |
| S3-243642 | Living document of the Non3GPPMobEnh study | Nokia | approved | S3-242821 | - |
| S3-243643 | Informative text of using FT for NSWO | Qualcomm Incorporated | approved | S3-243329 | - |
| S3-243644 | KI1 and KI3 conclusion update | Nokia | approved | S3-242933 | - |
| S3-243645 | KI2 and KI4conclusion update | Nokia | approved | S3-242937 | - |
| S3-243646 | Proposed conclusion for KI#4 | Qualcomm Incorporated | approved | S3-243324 | - |
| S3-243647 | Annexes on 256-bit security and backwards compatibility | KDDI Corporation, Cablelabs, Ericsson | approved | S3-242786 | - |
| S3-243648 | Editorial Modifications | Nokia, Nokia Shanghai Bell | approved | S3-242776 | - |
| S3-243649 | Presentation of Specification to TSG: TR 33.700-41 | KDDI Corporation | approved | S3-242788 | - |
| S3-243650 | New key issue on security aspect of digital asset container in 5G | Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, Samsung | approved | S3-243126 | - |
| S3-243651 | 33.721: Key Issue on Authentication and Authorization of Avatar | Xiaomi Technology | approved | S3-243276 | - |
| S3-243652 | Evaluation for Solution #1 | ZTE Corporation | approved | S3-242930 | - |
| S3-243653 | Solution for KI#1 on Authorization supporting spatial localization service | Nokia, Nokia Shanghai Bell | approved | S3-242874 | - |
| S3-243654 | Solution for KI1 on Authorization of spatial anchor services with multiple VAL-S | Nokia, Nokia Shanghai Bell | approved | S3-242875 | - |
| S3-243655 | Draft TR 33.700-41 | KDDI | approved | - | - |
| S3-243656 | Draft TR 33.790 | Ericsson | approved | - | - |
| S3-243657 | Evaluation to Solution #1 | Google | approved | S3-243395 | - |
| S3-243658 | Draft TR 33.700-22 | Xiaomi | withdrawn | - | - |
| S3-243659 | Updates to overall summary | Huawei, HiSilicon | approved | S3-243120 | - |
| S3-243660 | Draft TR 33.702 | Nokia | approved | - | - |
| S3-243661 | Removal of boiler plate texts in format of evidence | BSI (DE) | not pursued | S3-242978 | - |
| S3-243662 | Proposed solution for Secure Transport of Messages | Google | approved | S3-243398 | - |
| S3-243663 | TR 33.743 update solution #1 | InterDigital Canada | approved | S3-242853 | - |
| S3-243664 | New solution for KI#1 using Attribute-Based Authorization for the consumers | Huawei, HiSilicon | noted | - | - |
| S3-243665 | New KI on Security aspects related to enhancements of EAS and local UPF (re)selection | Nokia, Nokia Shanghai Bell | approved | S3-242830 | - |
| S3-243666 | LS on Security Handling for inter-CU LTM in non-DC cases | Nokia, Nokia Shanghai Bell | noted | S3-242819 | - |
| S3-243667 | Discussion paper for Fast BSS details from 802.11 specs | Nokia | noted | S3-242935 | - |
| S3-243668 | Solution for multiple USS case using token | Ericsson | approved | - | - |
| S3-243669 | Resolve EN and evaluate to Sol#11 for multi-hop U2U security establishment | Huawei, HiSilicon | approved | S3-243089 | - |
| S3-243670 | Evaluates to solution#6 of TR 33.743 | Huawei, HiSilicon | approved | S3-243094 | - |
| S3-243671 | New WID on Security for MonStra | Vodafone, Telefonica, Nokia, Nokia Shanghai Bell | agreed | S3-242855 | - |
| S3-243672 | Sol#2 update to address ENs | Huawei, HiSilicon | approved | S3-242879 | - |
| S3-243673 | Sol#3 update to address ENs | Huawei, HiSilicon | approved | S3-242881 | - |
| S3-243674 | Sol#2 evaluation | Huawei, HiSilicon | approved | S3-242880 | - |
| S3-243675 | Sol#3 evaluation | Huawei, HiSilicon | approved | S3-242882 | - |
| S3-243676 | LS on aggregation and other N32 topics in the context of mediated roaming | BSI (DE) | approved | S3-242780 | - |
| S3-243677 | LS on GSMA non compliance with 3GPP specifications on 5G Roaming over Roaming Intermediaries | CableLabs | approved | S3-242931 | - |
| S3-243678 | Reply LS on Resource content filter | Samsung | approved | S3-243217 | - |
| S3-243679 | Clarifications for HONTRA procedure with respect to failure cases | Ericsson | withdrawn | - | - |
| S3-243680 | New Key Issue for Authentication in Ambient IoT service | Huawei, HiSilicon, China Unicom, Vivo, Apple | approved | S3-243060 | - |
| S3-243681 | Solution on Disabling Enabling | OPPO | withdrawn | - | - |
| S3-243682 | Validation of the allowed slices in the access token request at NRF | Ericsson,Nokia | agreed | S3-243160 | - |
| S3-243683 | Validation of the requested slices at NF service producer | Ericsson,Nokia | agreed | S3-243161 | - |
| S3-243684 | Completing the Privacy Check of n UEs for Service Exposure to Client UE | Xiaomi, OPPO, Phillips | agreed | S3-243265 | - |
| S3-243685 | Filtering requirements on Map interface for Security Assurance Specifications for SMSF | IIT Bombay | approved | S3-243292 | - |
| S3-243686 | Cover page TS 33.529 | IIT Bombay | approved | - | - |
| S3-243687 | Test Case on No Web Server Header Info | Nokia, Nokia Shanghai Bell | approved | S3-242772 | - |
| S3-243688 | Test Case on No Web Server File Type Mappings | Nokia, Nokia Shanghai Bell | approved | S3-242774 | - |
| S3-243689 | Living document on NR mobility enhancement | Samsung | approved | S3-243193 | - |
| S3-243690 | Solution for SUPI privacy | Samsung | noted | S3-243204 | - |
| S3-243691 | Conclusion proposal | Huawei, HiSilicon | approved | S3-243511 | - |
| S3-243692 | Cover sheet TR 33.701 | Huawei | approved | - | - |
| S3-243693 | Resolution of EN on solution 18 | Huawei, HiSilicon | approved | S3-243057 | - |
| S3-243694 | Addition to solution #3 | Qualcomm Incorporated | approved | S3-243318 | - |
| S3-243695 | Removing ENs and adding evaluation in Sol#19 of TR 33.700-29 | Huawei, HiSilicon | approved | S3-243072 | - |
| S3-243696 | LS on Masking of cryptographic keys in UE trace file from 3GPP core network entities | Ericsson | approved | S3-243153 | - |
| S3-243697 | Further conclusion for Key issue #1 | Charter Communications, Inc | approved | S3-242837 | - |
| S3-243698 | Cover sheet TR 33.702 | Nokia | approved | - | - |
| S3-243699 | Draft TR 33.713 | OPPO | approved | - | - |
| S3-243700 | Key Issue on Authenticating multiple API invokers of the same Resource Owner | Nokia | approved | S3-243252 | - |
| S3-243701 | Living document for SMSF SCAS | IIT Bombay | approved | - | - |
| S3-243702 | Security Assurance Specification (SCAS) threats specific to SMSF | IIT Bombay | agreed | - | - |
| S3-243703 | Resolution of EN on solution 1 for KI#1 | Huawei, HiSilicon | noted | S3-243065 | - |
| S3-243704 | Evaluation on solution 1 for KI#1 | Huawei, HiSilicon | approved | S3-243062 | - |
| S3-243705 | Update the security threats of Key Issue #2: Authorization mechanism of selection of VFL participants in the VFL group | Ericsson | approved | S3-243051 | - |
| S3-243706 | Resolve ENs in Solution #2: Security of multi-hop UE-to-Network Relay discovery Model A | Ericsson | approved | S3-243300 | - |
| S3-243707 | Evaluation of Solution #2: Security of multi-hop UE-to-Network Relay discovery Model A | Ericsson | approved | S3-243303 | - |
| S3-243708 | Evaluation of Solution #3: Security of multi-hop UE-to-Network Relay discovery Model B | Ericsson | approved | S3-243304 | - |
| S3-243709 | Adding an evaluation to solution #10 | Qualcomm Incorporated | approved | S3-243337 | - |
| S3-243710 | Add the evaluation of solution #7 in TR 33.743 | Beijing Xiaomi Mobile Software | approved | S3-243259 | - |
| S3-243711 | Update EN in solution#13 | China Telecom Corporation Ltd. | approved | S3-243015 | - |
| S3-243712 | Evaluation of solution#13 | China Telecom Corporation Ltd. | revised | S3-243019 | S3-243723 |
| S3-243713 | Add notes to section 6.7 in TR 33.784 | China Mobile Com. Corporation | approved | S3-242792 | - |
| S3-243714 | Cover sheet TR 33.754 | Intel | approved | - | - |
| S3-243715 | 33.721: Resolve Editor’s Notes in Key Issue 2 | Xiaomi Technology | approved | S3-243274 | - |
| S3-243716 | add high-level architectures for TR 33.700-22 | Xiaomi Communications,Nokia | approved | S3-243373 | - |
| S3-243717 | [MCXSec4] 33180 R19 MC Recording Server Introduction | Airbus | agreed | S3-242763 | - |
| S3-243718 | Draft TR 33.700-22 | Ericsson | approved | - | - |
| S3-243719 | update to the support of ESP encryption transforms in TS 33.210 | Huawei, HiSilicon | approved | S3-243056 | - |
| S3-243720 | Draft TR 33.721 | Samsung | approved | - | - |
| S3-243721 | Draft TR 33.749 | Huawei | approved | - | - |
| S3-243722 | Draft TR 33.776 | Cisco | approved | - | - |
| S3-243723 | Evaluation of solution#13 | China Telecom Corporation Ltd. | approved | S3-243712 | - |

### A2: Tdoc decision timing

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| --- | --- | --- |
| Document | Date/time UTC | Decision |
| C3-195000 | 01/01/2020 10:26:05 | approved |
| C3-195000 | 01/01/2020 10:26:15 | noted |
| C3-195000 | 01/01/2020 10:26:22 | approved |
| C3-195000 | 21/02/2020 14:30:18 | agreed |
| C3-195000 | 21/02/2020 14:30:38 | noted |
| C3-195000 | 22/02/2020 08:50:03 | agreed |
| C3-195000 | 22/02/2020 08:50:06 | noted |
| C3-195000 | 22/02/2020 08:54:01 | postponed |
| C3-195000 | 22/02/2020 08:54:09 | noted |
| C3-195183 | 01/01/2020 10:32:41 | postponed |
| C3-195183 | 01/01/2020 13:52:18 | noted |
| C3-195183 | 01/01/2020 13:52:25 | approved |
| C3-195183 | 01/01/2020 13:52:27 | noted |
| C3-195183 | 01/01/2020 13:52:31 | agreed |
| C3-195183 | 01/01/2020 13:52:36 | postponed |
| S3-200050 | 06/03/2020 15:06:48 | approved |
| S3-200051 | 09/03/2020 11:06:14 | available |
| S3-200052 | 09/03/2020 09:26:00 | postponed |
| S3-200053 | 09/03/2020 09:26:07 | postponed |
| S3-200054 | 09/03/2020 11:41:42 | noted |
| S3-200055 | 09/03/2020 11:42:27 | postponed |
| S3-200056 | 09/03/2020 11:42:31 | postponed |
| S3-200057 | 09/03/2020 11:42:48 | available |
| S3-200058 | 09/03/2020 09:26:13 | noted |
| S3-200059 | 09/03/2020 09:26:20 | postponed |
| S3-200060 | 09/03/2020 09:26:25 | noted |
| S3-200061 | 09/03/2020 09:30:12 | noted |
| S3-200062 | 09/03/2020 08:51:43 | noted |
| S3-200063 | 09/03/2020 11:04:09 | noted |
| S3-200064 | 09/03/2020 09:43:31 | postponed |
| S3-200065 | 09/03/2020 08:53:49 | postponed |
| S3-200066 | 09/03/2020 08:53:54 | noted |
| S3-200067 | 09/03/2020 11:06:48 | postponed |
| S3-200068 | 09/03/2020 08:53:59 | postponed |
| S3-200069 | 09/03/2020 09:14:30 | postponed |
| S3-200070 | 09/03/2020 08:52:47 | available |
| S3-200071 | 09/03/2020 08:54:07 | postponed |
| S3-200072 | 09/03/2020 08:54:11 | postponed |
| S3-200073 | 09/03/2020 11:43:41 | available |
| S3-200074 | 09/03/2020 11:44:03 | available |
| S3-200075 | 09/03/2020 11:44:22 | available |
| S3-200076 | 09/03/2020 11:44:29 | available |
| S3-200077 | 09/03/2020 11:44:38 | available |
| S3-200078 | 09/03/2020 12:03:17 | noted |
| S3-200080 | 09/03/2020 09:14:36 | agreed |
| S3-200082 | 09/03/2020 11:37:45 | noted |
| S3-200083 | 09/03/2020 11:04:12 | agreed |
| S3-200084 | 09/03/2020 09:14:55 | agreed |
| S3-200085 | 09/03/2020 11:44:49 | noted |
| S3-200086 | 09/03/2020 11:44:52 | noted |
| S3-200087 | 09/03/2020 11:44:56 | approved |
| S3-200088 | 09/03/2020 11:45:05 | approved |
| S3-200093 | 09/03/2020 11:36:51 | noted |
| S3-200096 | 09/03/2020 11:36:58 | approved |
| S3-200105 | 09/03/2020 09:30:16 | noted |
| S3-200106 | 09/03/2020 09:30:23 | available |
| S3-200107 | 09/03/2020 11:45:12 | noted |
| S3-200108 | 09/03/2020 11:45:18 | approved |
| S3-200109 | 09/03/2020 09:26:42 | available |
| S3-200111 | 09/03/2020 11:57:18 | noted |
| S3-200112 | 09/03/2020 11:57:22 | noted |
| S3-200113 | 09/03/2020 11:57:24 | noted |
| S3-200114 | 09/03/2020 11:57:31 | noted |
| S3-200115 | 09/03/2020 11:06:51 | noted |
| S3-200116 | 09/03/2020 11:06:57 | noted |
| S3-200117 | 10/03/2020 14:13:15 | noted |
| S3-200118 | 09/03/2020 11:34:48 | noted |
| S3-200119 | 09/03/2020 11:34:52 | noted |
| S3-200120 | 09/03/2020 11:34:57 | noted |
| S3-200121 | 09/03/2020 11:35:00 | noted |
| S3-200122 | 09/03/2020 11:35:05 | noted |
| S3-200123 | 09/03/2020 11:35:25 | available |
| S3-200124 | 09/03/2020 11:45:24 | noted |
| S3-200125 | 09/03/2020 11:45:35 | noted |
| S3-200126 | 09/03/2020 08:54:21 | noted |
| S3-200127 | 09/03/2020 08:54:27 | noted |
| S3-200128 | 09/03/2020 08:54:34 | noted |
| S3-200130 | 09/03/2020 09:33:37 | noted |
| S3-200131 | 09/03/2020 09:33:58 | available |
| S3-200132 | 09/03/2020 09:34:49 | noted |
| S3-200133 | 09/03/2020 09:35:07 | noted |
| S3-200134 | 09/03/2020 09:35:11 | noted |
| S3-200135 | 09/03/2020 09:35:14 | noted |
| S3-200143 | 09/03/2020 11:57:46 | available |
| S3-200149 | 09/03/2020 11:35:38 | noted |
| S3-200150 | 09/03/2020 11:35:45 | noted |
| S3-200152 | 09/03/2020 12:08:16 | noted |
| S3-200153 | 09/03/2020 12:08:19 | noted |
| S3-200154 | 09/03/2020 12:08:22 | noted |
| S3-200155 | 09/03/2020 12:08:27 | noted |
| S3-200156 | 09/03/2020 11:35:57 | noted |
| S3-200157 | 09/03/2020 11:36:01 | noted |
| S3-200158 | 09/03/2020 11:36:04 | noted |
| S3-200159 | 09/03/2020 11:36:09 | noted |
| S3-200160 | 09/03/2020 09:27:07 | available |
| S3-200161 | 09/03/2020 11:45:42 | noted |
| S3-200162 | 09/03/2020 11:45:47 | noted |
| S3-200164 | 09/03/2020 11:38:06 | approved |
| S3-200165 | 09/03/2020 11:38:23 | available |
| S3-200167 | 09/03/2020 11:40:38 | approved |
| S3-200168 | 09/03/2020 11:40:41 | noted |
| S3-200169 | 09/03/2020 11:40:46 | noted |
| S3-200170 | 09/03/2020 11:46:24 | available |
| S3-200171 | 09/03/2020 09:34:57 | noted |
| S3-200172 | 09/03/2020 09:27:24 | available |
| S3-200173 | 09/03/2020 09:27:37 | noted |
| S3-200174 | 09/03/2020 09:27:43 | available |
| S3-200176 | 09/03/2020 09:43:34 | noted |
| S3-200177 | 09/03/2020 09:43:36 | noted |
| S3-200178 | 09/03/2020 12:08:33 | noted |
| S3-200179 | 09/03/2020 12:08:37 | noted |
| S3-200181 | 09/03/2020 09:35:35 | noted |
| S3-200182 | 09/03/2020 09:35:38 | noted |
| S3-200183 | 09/03/2020 11:58:45 | available |
| S3-200189 | 09/03/2020 09:29:34 | approved |
| S3-200190 | 09/03/2020 09:29:38 | noted |
| S3-200192 | 09/03/2020 12:08:43 | noted |
| S3-200193 | 09/03/2020 09:30:32 | noted |
| S3-200194 | 09/03/2020 09:30:37 | noted |
| S3-200200 | 03/03/2020 14:29:33 | withdrawn |
| S3-200202 | 09/03/2020 11:59:05 | available |
| S3-200204 | 09/03/2020 11:59:21 | available |
| S3-200205 | 09/03/2020 11:59:26 | noted |
| S3-200206 | 09/03/2020 11:59:29 | noted |
| S3-200207 | 09/03/2020 11:59:35 | noted |
| S3-200208 | 09/03/2020 11:59:38 | noted |
| S3-200209 | 05/03/2020 09:56:13 | available |
| S3-200212 | 09/03/2020 11:47:01 | available |
| S3-200213 | 09/03/2020 09:27:50 | noted |
| S3-200214 | 09/03/2020 12:08:46 | noted |
| S3-200215 | 09/03/2020 09:30:43 | available |
| S3-200217 | 09/03/2020 08:56:02 | available |
| S3-200218 | 09/03/2020 11:47:21 | available |
| S3-200219 | 09/03/2020 11:47:26 | noted |
| S3-200220 | 09/03/2020 11:59:44 | available |
| S3-200221 | 09/03/2020 11:59:51 | available |
| S3-200222 | 09/03/2020 11:59:57 | noted |
| S3-200227 | 09/03/2020 09:44:01 | noted |
| S3-200238 | 09/03/2020 11:47:30 | noted |
| S3-200239 | 09/03/2020 11:47:53 | available |
| S3-200240 | 09/03/2020 11:48:02 | noted |
| S3-200241 | 09/03/2020 11:48:07 | approved |
| S3-200248 | 09/03/2020 09:35:56 | noted |
| S3-200249 | 09/03/2020 09:36:00 | approved |
| S3-200252 | 09/03/2020 09:36:26 | noted |
| S3-200253 | 09/03/2020 09:37:19 | available |
| S3-200254 | 09/03/2020 09:37:25 | noted |
| S3-200255 | 09/03/2020 09:37:44 | available |
| S3-200256 | 09/03/2020 09:38:02 | available |
| S3-200258 | 09/03/2020 09:38:18 | noted |
| S3-200259 | 09/03/2020 09:38:25 | noted |
| S3-200260 | 09/03/2020 09:40:27 | withdrawn |
| S3-200261 | 09/03/2020 12:08:50 | noted |
| S3-200265 | 09/03/2020 09:44:22 | noted |
| S3-200266 | 09/03/2020 09:44:26 | noted |
| S3-200267 | 09/03/2020 12:09:07 | noted |
| S3-200268 | 09/03/2020 12:09:10 | noted |
| S3-200269 | 09/03/2020 09:29:45 | noted |
| S3-200275 | 09/03/2020 09:23:34 | agreed |
| S3-200278 | 09/03/2020 11:50:42 | noted |
| S3-200279 | 09/03/2020 12:09:14 | noted |
| S3-200280 | 09/03/2020 12:09:27 | agreed |
| S3-200280 | 10/03/2020 13:02:42 | revised |
| S3-200281 | 09/03/2020 12:09:34 | noted |
| S3-200283 | 09/03/2020 09:31:08 | noted |
| S3-200284 | 09/03/2020 09:31:18 | noted |
| S3-200285 | 09/03/2020 09:31:23 | approved |
| S3-200286 | 09/03/2020 09:31:27 | noted |
| S3-200287 | 09/03/2020 09:31:37 | noted |
| S3-200288 | 09/03/2020 09:31:42 | available |
| S3-200289 | 09/03/2020 09:31:51 | noted |
| S3-200290 | 09/03/2020 09:31:56 | noted |
| S3-200294 | 09/03/2020 09:40:57 | noted |
| S3-200295 | 09/03/2020 09:41:04 | noted |
| S3-200296 | 09/03/2020 09:41:08 | noted |
| S3-200297 | 09/03/2020 09:41:12 | noted |
| S3-200298 | 09/03/2020 09:41:19 | noted |
| S3-200299 | 09/03/2020 09:41:24 | noted |
| S3-200300 | 09/03/2020 09:41:36 | noted |
| S3-200301 | 09/03/2020 09:41:42 | noted |
| S3-200302 | 09/03/2020 09:44:48 | available |
| S3-200303 | 09/03/2020 09:44:57 | available |
| S3-200304 | 09/03/2020 09:45:08 | noted |
| S3-200306 | 09/03/2020 09:45:17 | available |
| S3-200307 | 09/03/2020 08:29:02 | revised |
| S3-200308 | 09/03/2020 09:45:35 | noted |
| S3-200309 | 09/03/2020 09:45:38 | noted |
| S3-200310 | 09/03/2020 09:45:42 | noted |
| S3-200311 | 09/03/2020 08:51:21 | approved |
| S3-200312 | 09/03/2020 09:16:48 | available |
| S3-200313 | 09/03/2020 08:26:01 | revised |
| S3-200314 | 09/03/2020 12:09:37 | noted |
| S3-200315 | 09/03/2020 12:09:41 | noted |
| S3-200316 | 09/03/2020 09:41:49 | noted |
| S3-200318 | 09/03/2020 11:56:17 | agreed |
| S3-200320 | 09/03/2020 12:00:28 | available |
| S3-200321 | 09/03/2020 11:48:16 | available |
| S3-200322 | 09/03/2020 11:04:27 | approved |
| S3-200323 | 09/03/2020 11:04:32 | approved |
| S3-200324 | 09/03/2020 11:04:38 | approved |
| S3-200325 | 09/03/2020 11:04:42 | noted |
| S3-200326 | 09/03/2020 11:04:47 | approved |
| S3-200327 | 09/03/2020 11:04:52 | noted |
| S3-200329 | 09/03/2020 11:05:05 | noted |
| S3-200330 | 09/03/2020 11:05:09 | noted |
| S3-200332 | 09/03/2020 11:56:37 | agreed |
| S3-200334 | 09/03/2020 11:56:53 | agreed |
| S3-200339 | 09/03/2020 09:29:50 | noted |
| S3-200340 | 09/03/2020 08:54:40 | noted |
| S3-200341 | 09/03/2020 12:08:05 | agreed |
| S3-200341 | 09/03/2020 12:09:51 | noted |
| S3-200343 | 09/03/2020 11:48:35 | noted |
| S3-200344 | 09/03/2020 11:48:40 | noted |
| S3-200350 | 09/03/2020 11:49:25 | agreed |
| S3-200351 | 09/03/2020 11:49:55 | available |
| S3-200353 | 09/03/2020 08:54:45 | noted |
| S3-200354 | 09/03/2020 08:54:50 | noted |
| S3-200355 | 09/03/2020 12:10:01 | noted |
| S3-200356 | 09/03/2020 11:03:49 | withdrawn |
| S3-200357 | 09/03/2020 11:03:55 | noted |
| S3-200359 | 09/03/2020 08:53:06 | noted |
| S3-200360 | 09/03/2020 11:37:12 | noted |
| S3-200364 | 09/03/2020 09:42:06 | approved |
| S3-200365 | 09/03/2020 09:42:10 | noted |
| S3-200366 | 09/03/2020 09:42:14 | approved |
| S3-200367 | 09/03/2020 09:25:24 | available |
| S3-200368 | 09/03/2020 09:25:43 | noted |
| S3-200369 | 09/03/2020 09:25:51 | noted |
| S3-200370 | 09/03/2020 09:28:07 | available |
| S3-200371 | 09/03/2020 09:28:17 | available |
| S3-200372 | 09/03/2020 12:02:45 | noted |
| S3-200373 | 09/03/2020 09:23:49 | agreed |
| S3-200374 | 09/03/2020 08:54:59 | noted |
| S3-200387 | 09/03/2020 09:29:04 | agreed |
| S3-200388 | 09/03/2020 09:29:08 | agreed |
| S3-200391 | 09/03/2020 09:42:28 | noted |
| S3-200393 | 09/03/2020 11:36:13 | noted |
| S3-200394 | 09/03/2020 12:10:15 | agreed |
| S3-200394 | 10/03/2020 12:04:20 | revised |
| S3-200395 | 09/03/2020 12:10:19 | noted |
| S3-200396 | 09/03/2020 12:10:22 | noted |
| S3-200397 | 25/02/2020 14:06:37 | withdrawn |
| S3-200397 | 09/03/2020 08:56:44 | agreed |
| S3-200398 | 25/02/2020 14:06:39 | withdrawn |
| S3-200398 | 09/03/2020 08:56:51 | available |
| S3-200399 | 09/03/2020 11:51:32 | agreed |
| S3-200399 | 12/03/2020 09:23:15 | revised |
| S3-200400 | 09/03/2020 11:36:17 | noted |
| S3-200401 | 09/03/2020 11:51:24 | available |
| S3-200402 | 09/03/2020 09:29:57 | noted |
| S3-200403 | 03/03/2020 14:29:37 | withdrawn |
| S3-200404 | 03/03/2020 14:29:39 | withdrawn |
| S3-200405 | 09/03/2020 09:32:14 | available |
| S3-200406 | 09/03/2020 09:32:19 | noted |
| S3-200408 | 09/03/2020 09:32:26 | noted |
| S3-200409 | 10/03/2020 12:31:36 | revised |
| S3-200410 | 09/03/2020 09:32:33 | available |
| S3-200411 | 09/03/2020 09:32:43 | available |
| S3-200412 | 09/03/2020 09:32:44 | available |
| S3-200413 | 09/03/2020 11:05:13 | noted |
| S3-200415 | 25/02/2020 12:46:21 | withdrawn |
| S3-200416 | 09/03/2020 11:05:18 | approved |
| S3-200417 | 25/02/2020 12:46:23 | withdrawn |
| S3-200419 | 09/03/2020 11:57:00 | available |
| S3-200420 | 09/03/2020 11:57:08 | available |
| S3-200421 | 09/03/2020 09:32:54 | noted |
| S3-200422 | 09/03/2020 12:02:54 | postponed |
| S3-200424 | 09/03/2020 11:50:11 | noted |
| S3-200425 | 09/03/2020 09:32:57 | noted |
| S3-200427 | 09/03/2020 09:33:08 | noted |
| S3-200428 | 06/03/2020 15:06:51 | noted |
| S3-200429 | 09/03/2020 09:42:59 | noted |
| S3-200430 | 09/03/2020 08:55:02 | postponed |
| S3-200432 | 09/03/2020 11:03:59 | noted |
| S3-200433 | 09/03/2020 11:50:18 | postponed |
| S3-200434 | 09/03/2020 11:51:47 | available |
| S3-200435 | 09/03/2020 12:03:06 | agreed |
| S3-200436 | 10/03/2020 14:19:52 | agreed |
| S3-200437 | 10/03/2020 14:20:37 | agreed |
| S3-200438 | 09/03/2020 09:43:04 | noted |
| S3-200438 | 09/03/2020 09:43:09 | approved |
| S3-200438 | 10/03/2020 09:01:42 | revised |
| S3-200439 | 09/03/2020 12:10:37 | agreed |
| S3-200440 | 10/03/2020 14:18:25 | revised |
| S3-200441 | 10/03/2020 14:10:28 | agreed |
| S3-200442 | 09/03/2020 11:05:54 | approved |
| S3-200443 | 09/03/2020 11:36:34 | approved |
| S3-200444 | 10/03/2020 14:15:30 | agreed |
| S3-200445 | 10/03/2020 14:15:54 | agreed |
| S3-200446 | 10/03/2020 14:16:07 | agreed |
| S3-200447 | 09/03/2020 09:36:52 | approved |
| S3-200448 | 09/03/2020 11:04:58 | approved |
| S3-200449 | 09/03/2020 11:41:25 | approved |
| S3-200450 | 09/03/2020 11:41:31 | agreed |
| S3-200451 | 09/03/2020 11:37:57 | approved |
| S3-200452 | 09/03/2020 11:40:32 | approved |
| S3-200453 | 10/03/2020 15:21:08 | withdrawn |
| S3-200454 | 09/03/2020 09:29:18 | agreed |
| S3-200455 | 09/03/2020 09:26:54 | agreed |
| S3-200456 | 09/03/2020 09:28:49 | agreed |
| S3-200457 | 09/03/2020 09:28:55 | agreed |
| S3-200458 | 09/03/2020 11:37:05 | approved |
| S3-200459 | 09/03/2020 12:08:58 | agreed |
| S3-200460 | 09/03/2020 09:36:10 | approved |
| S3-200461 | 09/03/2020 09:36:16 | approved |
| S3-200462 | 09/03/2020 11:56:10 | agreed |
| S3-200463 | 09/03/2020 09:38:09 | approved |
| S3-200464 | 09/03/2020 11:56:23 | agreed |
| S3-200465 | 09/03/2020 11:56:30 | agreed |
| S3-200466 | 09/03/2020 11:56:45 | agreed |
| S3-200467 | 11/03/2020 11:26:56 | approved |
| S3-200468 | 09/03/2020 11:46:37 | approved |
| S3-200469 | 09/03/2020 09:24:08 | approved |
| S3-200470 | 10/03/2020 09:25:20 | revised |
| S3-200471 | 09/03/2020 09:24:59 | approved |
| S3-200472 | 09/03/2020 09:23:57 | agreed |
| S3-200473 | 09/03/2020 08:55:30 | agreed |
| S3-200474 | 09/03/2020 09:43:52 | approved |
| S3-200475 | 09/03/2020 09:44:08 | approved |
| S3-200476 | 09/03/2020 09:44:13 | approved |
| S3-200477 | 09/03/2020 12:00:07 | agreed |
| S3-200478 | 09/03/2020 11:42:11 | approved |
| S3-200479 | 09/03/2020 12:00:11 | agreed |
| S3-200480 | 09/03/2020 09:27:57 | agreed |
| S3-200481 | 09/03/2020 11:50:33 | agreed |
| S3-200482 | 09/03/2020 11:50:49 | approved |
| S3-200483 | 10/03/2020 14:11:38 | agreed |
| S3-200484 | 10/03/2020 14:11:30 | agreed |
| S3-200485 | 11/03/2020 07:44:16 | agreed |
| S3-200486 | 09/03/2020 09:37:33 | approved |
| S3-200487 | 09/03/2020 09:31:00 | agreed |
| S3-200488 | 10/03/2020 14:13:37 | agreed |
| S3-200489 | 09/03/2020 09:32:04 | agreed |
| S3-200490 | 09/03/2020 12:01:05 | agreed |
| S3-200491 | 10/03/2020 14:30:50 | agreed |
| S3-200492 | 09/03/2020 11:40:54 | approved |
| S3-200493 | 09/03/2020 11:38:13 | approved |
| S3-200494 | 09/03/2020 11:41:07 | approved |
| S3-200495 | 09/03/2020 11:41:12 | approved |
| S3-200496 | 09/03/2020 11:44:13 | approved |
| S3-200497 | 09/03/2020 08:55:53 | agreed |
| S3-200498 | 09/03/2020 08:56:10 | agreed |
| S3-200499 | 09/03/2020 09:35:45 | approved |
| S3-200500 | 10/03/2020 14:13:56 | approved |
| S3-200501 | 09/03/2020 11:46:50 | approved |
| S3-200502 | 09/03/2020 08:55:15 | agreed |
| S3-200503 | 09/03/2020 08:55:19 | agreed |
| S3-200504 | 09/03/2020 08:56:25 | agreed |
| S3-200505 | 09/03/2020 08:56:29 | agreed |
| S3-200506 | 09/03/2020 11:48:52 | approved |
| S3-200507 | 09/03/2020 11:43:29 | approved |
| S3-200508 | 09/03/2020 11:47:11 | approved |
| S3-200509 | 09/03/2020 11:49:13 | approved |
| S3-200510 | 09/03/2020 11:43:54 | approved |
| S3-200511 | 09/03/2020 09:33:28 | approved |
| S3-200512 | 09/03/2020 09:35:21 | approved |
| S3-200513 | 09/03/2020 09:33:49 | approved |
| S3-200514 | 09/03/2020 09:14:46 | agreed |
| S3-200515 | 09/03/2020 09:15:01 | agreed |
| S3-200516 | 09/03/2020 09:43:43 | agreed |
| S3-200517 | 09/03/2020 11:58:13 | approved |
| S3-200517 | 10/03/2020 14:26:53 | revised |
| S3-200518 | 09/03/2020 09:46:05 | approved |
| S3-200519 | 09/03/2020 09:45:27 | approved |
| S3-200520 | 11/03/2020 11:26:50 | agreed |
| S3-200521 | 12/03/2020 14:26:21 | approved |
| S3-200522 | 10/03/2020 14:09:33 | agreed |
| S3-200523 | 10/03/2020 09:01:44 | approved |
| S3-200524 | 10/03/2020 15:26:53 | agreed |
| S3-200525 | 10/03/2020 14:28:48 | agreed |
| S3-200526 | 10/03/2020 14:29:11 | agreed |
| S3-200527 | 11/03/2020 07:30:12 | agreed |
| S3-200528 | 12/03/2020 14:26:14 | approved |
| S3-200529 | 10/03/2020 15:06:54 | approved |
| S3-200530 | 12/03/2020 09:23:18 | agreed |
| S3-240200 | 26/02/2024 07:11:40 | approved |
| S3-240201 | 26/02/2024 07:18:09 | approved |
| S3-240202 | 21/02/2024 09:41:02 | available |
| S3-240202 | 21/02/2024 09:41:11 | revised |
| S3-240203 | 26/02/2024 07:12:14 | noted |
| S3-240204 | 21/02/2024 08:00:48 | revised |
| S3-240205 | 01/03/2024 13:21:21 | noted |
| S3-240206 | 26/02/2024 07:23:38 | noted |
| S3-240207 | 22/02/2024 12:57:17 | revised |
| S3-240207 | 28/02/2024 16:35:43 | approved |
| S3-240208 | 27/02/2024 14:37:02 | available |
| S3-240209 | 27/02/2024 14:37:26 | available |
| S3-240210 | 27/02/2024 14:28:31 | noted |
| S3-240211 | 27/02/2024 14:37:41 | noted |
| S3-240212 | 27/02/2024 14:36:41 | noted |
| S3-240213 | 27/02/2024 14:37:46 | noted |
| S3-240214 | 26/02/2024 07:33:42 | postponed |
| S3-240214 | 28/02/2024 09:50:30 | replied to |
| S3-240215 | 26/02/2024 07:43:43 | available |
| S3-240216 | 26/02/2024 07:47:22 | available |
| S3-240217 | 26/02/2024 07:48:11 | noted |
| S3-240218 | 26/02/2024 07:48:35 | noted |
| S3-240219 | 29/02/2024 09:17:46 | noted |
| S3-240220 | 26/02/2024 07:55:34 | available |
| S3-240220 | 01/03/2024 11:18:05 | postponed |
| S3-240221 | 27/02/2024 14:30:06 | noted |
| S3-240222 | 26/02/2024 07:57:20 | noted |
| S3-240223 | 26/02/2024 08:06:22 | postponed |
| S3-240224 | 26/02/2024 08:09:52 | available |
| S3-240225 | 27/02/2024 14:57:45 | available |
| S3-240225 | 27/02/2024 14:57:49 | reple |
| S3-240226 | 26/02/2024 08:20:59 | noted |
| S3-240227 | 26/02/2024 08:29:20 | available |
| S3-240228 | 26/02/2024 07:48:38 | noted |
| S3-240229 | 26/02/2024 10:16:37 | available |
| S3-240230 | 26/02/2024 09:09:06 | available |
| S3-240230 | 27/02/2024 14:47:16 | noted |
| S3-240231 | 26/02/2024 09:12:52 | noted |
| S3-240232 | 26/02/2024 09:13:55 | noted |
| S3-240233 | 26/02/2024 09:21:56 | noted |
| S3-240234 | 27/02/2024 17:02:14 | replied to |
| S3-240234 | 29/02/2024 12:23:02 | available |
| S3-240234 | 01/03/2024 09:44:57 | postponed |
| S3-240235 | 26/02/2024 09:08:27 | noted |
| S3-240236 | 26/02/2024 09:31:30 | available |
| S3-240237 | 26/02/2024 09:14:09 | noted |
| S3-240238 | 27/02/2024 16:59:58 | available |
| S3-240239 | 26/02/2024 09:33:56 | noted |
| S3-240240 | 26/02/2024 09:34:10 | noted |
| S3-240241 | 26/02/2024 09:34:27 | noted |
| S3-240242 | 26/02/2024 09:12:59 | noted |
| S3-240243 | 26/02/2024 07:43:16 | available |
| S3-240243 | 26/02/2024 07:43:40 | noted |
| S3-240244 | 26/02/2024 09:35:34 | noted |
| S3-240245 | 26/02/2024 09:08:45 | available |
| S3-240245 | 26/02/2024 09:09:01 | replied to |
| S3-240245 | 26/02/2024 09:09:35 | available |
| S3-240246 | 01/03/2024 10:04:02 | noted |
| S3-240247 | 26/02/2024 09:35:55 | noted |
| S3-240248 | 26/02/2024 09:36:11 | noted |
| S3-240249 | 26/02/2024 08:21:09 | noted |
| S3-240250 | 26/02/2024 09:37:09 | noted |
| S3-240251 | 26/02/2024 07:39:02 | available |
| S3-240252 | 26/02/2024 09:38:36 | noted |
| S3-240253 | 26/02/2024 08:21:12 | noted |
| S3-240254 | 26/02/2024 09:56:33 | noted |
| S3-240255 | 26/02/2024 08:11:45 | noted |
| S3-240256 | 27/02/2024 14:27:48 | available |
| S3-240257 | 26/02/2024 09:52:02 | available |
| S3-240258 | 26/02/2024 09:24:24 | available |
| S3-240259 | 27/02/2024 15:08:35 | available |
| S3-240260 | 01/03/2024 13:14:03 | postponed |
| S3-240261 | 26/02/2024 09:56:31 | noted |
| S3-240262 | 26/02/2024 10:06:50 | noted |
| S3-240263 | 26/02/2024 10:07:46 | noted |
| S3-240264 | 26/02/2024 10:08:09 | noted |
| S3-240264 | 01/03/2024 11:24:46 | available |
| S3-240265 | 26/02/2024 08:06:27 | postponed |
| S3-240266 | 26/02/2024 10:09:33 | noted |
| S3-240267 | 26/02/2024 10:09:45 | noted |
| S3-240269 | 29/02/2024 13:15:57 | approved |
| S3-240270 | 29/02/2024 13:15:57 | approved |
| S3-240271 | 29/02/2024 13:15:58 | approved |
| S3-240272 | 29/02/2024 13:15:59 | approved |
| S3-240273 | 29/02/2024 13:16:00 | approved |
| S3-240274 | 29/02/2024 13:16:01 | approved |
| S3-240275 | 29/02/2024 13:16:02 | approved |
| S3-240276 | 29/02/2024 13:16:02 | approved |
| S3-240278 | 29/02/2024 13:16:03 | approved |
| S3-240279 | 29/02/2024 13:16:04 | approved |
| S3-240280 | 29/02/2024 13:16:05 | approved |
| S3-240281 | 29/02/2024 13:16:06 | approved |
| S3-240282 | 29/02/2024 13:16:07 | approved |
| S3-240286 | 27/02/2024 12:24:00 | revised |
| S3-240287 | 27/02/2024 09:06:22 | approved |
| S3-240288 | 27/02/2024 14:27:40 | revised |
| S3-240289 | 26/02/2024 09:14:17 | noted |
| S3-240290 | 26/02/2024 09:13:00 | noted |
| S3-240291 | 27/02/2024 16:05:03 | revised |
| S3-240295 | 26/02/2024 10:10:17 | noted |
| S3-240296 | 28/02/2024 14:17:07 | revised |
| S3-240297 | 01/03/2024 12:52:02 | available |
| S3-240297 | 01/03/2024 12:52:07 | noted |
| S3-240298 | 28/02/2024 08:13:49 | available |
| S3-240299 | 01/03/2024 11:58:42 | noted |
| S3-240300 | 01/03/2024 11:57:55 | available |
| S3-240301 | 26/02/2024 15:56:55 | revised |
| S3-240302 | 27/02/2024 09:28:55 | available |
| S3-240303 | 27/02/2024 09:21:03 | available |
| S3-240303 | 27/02/2024 09:28:34 | not treated |
| S3-240304 | 27/02/2024 09:21:00 | available |
| S3-240304 | 27/02/2024 09:21:20 | not concluded |
| S3-240304 | 27/02/2024 09:28:37 | not treated |
| S3-240305 | 27/02/2024 09:20:58 | available |
| S3-240306 | 27/02/2024 09:20:55 | available |
| S3-240307 | 27/02/2024 09:23:21 | agreed |
| S3-240308 | 26/02/2024 10:16:47 | available |
| S3-240309 | 29/02/2024 13:15:56 | approved |
| S3-240310 | 29/02/2024 13:16:08 | approved |
| S3-240311 | 01/03/2024 09:19:56 | noted |
| S3-240312 | 26/02/2024 12:07:15 | noted |
| S3-240313 | 27/02/2024 14:05:22 | available |
| S3-240314 | 27/02/2024 15:54:27 | revised |
| S3-240315 | 27/02/2024 17:08:13 | approved |
| S3-240316 | 28/02/2024 16:38:39 | revised |
| S3-240317 | 28/02/2024 17:10:43 | revised |
| S3-240318 | 27/02/2024 10:11:31 | noted |
| S3-240319 | 01/03/2024 11:54:45 | noted |
| S3-240320 | 29/02/2024 14:54:22 | revised |
| S3-240321 | 29/02/2024 15:04:01 | available |
| S3-240322 | 29/02/2024 15:05:45 | available |
| S3-240322 | 29/02/2024 15:11:15 | noted |
| S3-240323 | 01/03/2024 11:58:23 | noted |
| S3-240324 | 28/02/2024 08:33:00 | noted |
| S3-240325 | 28/02/2024 08:01:29 | noted |
| S3-240326 | 28/02/2024 08:02:46 | noted |
| S3-240327 | 28/02/2024 08:06:34 | noted |
| S3-240328 | 28/02/2024 09:54:38 | available |
| S3-240329 | 26/02/2024 12:07:53 | agreed |
| S3-240329 | 26/02/2024 12:12:23 | revised |
| S3-240330 | 29/02/2024 14:49:10 | approved |
| S3-240332 | 27/02/2024 15:55:53 | revised |
| S3-240333 | 29/02/2024 13:30:02 | noted |
| S3-240334 | 27/02/2024 16:01:23 | revised |
| S3-240335 | 27/02/2024 16:11:02 | revised |
| S3-240336 | 27/02/2024 16:14:13 | revised |
| S3-240337 | 29/02/2024 14:16:11 | revised |
| S3-240338 | 29/02/2024 16:03:41 | revised |
| S3-240339 | 01/03/2024 09:39:38 | available |
| S3-240340 | 29/02/2024 10:24:11 | revised |
| S3-240341 | 27/02/2024 06:20:20 | available |
| S3-240342 | 28/02/2024 09:57:27 | available |
| S3-240343 | 28/02/2024 09:57:01 | available |
| S3-240344 | 27/02/2024 07:42:44 | available |
| S3-240345 | 28/02/2024 09:57:39 | available |
| S3-240346 | 28/02/2024 10:03:03 | available |
| S3-240347 | 28/02/2024 09:35:32 | available |
| S3-240348 | 01/03/2024 11:38:47 | available |
| S3-240349 | 28/02/2024 10:33:22 | noted |
| S3-240350 | 27/02/2024 09:32:05 | revised |
| S3-240351 | 01/03/2024 09:45:09 | noted |
| S3-240352 | 26/02/2024 12:15:41 | noted |
| S3-240353 | 29/02/2024 09:44:04 | available |
| S3-240354 | 26/02/2024 07:55:30 | available |
| S3-240355 | 29/02/2024 12:18:08 | available |
| S3-240356 | 01/03/2024 09:40:14 | available |
| S3-240357 | 01/03/2024 12:38:48 | agreed |
| S3-240357 | 01/03/2024 12:42:57 | revised |
| S3-240358 | 27/02/2024 17:08:22 | revised |
| S3-240359 | 27/02/2024 17:10:25 | revised |
| S3-240360 | 27/02/2024 17:08:32 | revised |
| S3-240361 | 27/02/2024 17:09:25 | revised |
| S3-240362 | 27/02/2024 17:09:48 | revised |
| S3-240363 | 27/02/2024 17:10:11 | revised |
| S3-240364 | 27/02/2024 17:10:29 | approved |
| S3-240365 | 27/02/2024 16:47:43 | available |
| S3-240366 | 29/02/2024 10:31:10 | revised |
| S3-240367 | 28/02/2024 17:02:40 | revised |
| S3-240368 | 29/02/2024 14:46:11 | noted |
| S3-240369 | 28/02/2024 17:04:39 | revised |
| S3-240370 | 26/02/2024 12:21:24 | noted |
| S3-240371 | 29/02/2024 09:47:04 | available |
| S3-240372 | 29/02/2024 09:47:07 | available |
| S3-240373 | 01/03/2024 09:24:49 | available |
| S3-240374 | 27/02/2024 09:35:23 | revised |
| S3-240376 | 01/03/2024 09:30:04 | agreed |
| S3-240377 | 26/02/2024 06:33:54 | withdrawn |
| S3-240378 | 26/02/2024 06:34:07 | withdrawn |
| S3-240379 | 28/02/2024 17:10:58 | noted |
| S3-240380 | 28/02/2024 17:14:40 | available |
| S3-240381 | 27/02/2024 09:44:17 | agreed |
| S3-240382 | 29/02/2024 14:24:42 | noted |
| S3-240383 | 27/02/2024 16:19:20 | revised |
| S3-240385 | 27/02/2024 16:21:00 | revised |
| S3-240386 | 28/02/2024 16:00:40 | available |
| S3-240387 | 28/02/2024 15:51:57 | available |
| S3-240388 | 27/02/2024 06:14:58 | revised |
| S3-240389 | 28/02/2024 16:34:54 | available |
| S3-240390 | 28/02/2024 16:34:59 | available |
| S3-240391 | 28/02/2024 14:22:02 | revised |
| S3-240395 | 26/02/2024 12:25:20 | revised |
| S3-240396 | 26/02/2024 12:25:23 | revised |
| S3-240397 | 26/02/2024 12:25:27 | revised |
| S3-240398 | 28/02/2024 06:16:18 | available |
| S3-240399 | 26/02/2024 12:29:33 | revised |
| S3-240400 | 26/02/2024 08:29:43 | available |
| S3-240401 | 26/02/2024 08:21:16 | noted |
| S3-240402 | 26/02/2024 08:21:17 | noted |
| S3-240403 | 28/02/2024 07:27:35 | noted |
| S3-240404 | 28/02/2024 07:27:44 | noted |
| S3-240405 | 28/02/2024 07:27:45 | noted |
| S3-240406 | 28/02/2024 07:27:46 | noted |
| S3-240407 | 28/02/2024 07:25:59 | approved |
| S3-240408 | 28/02/2024 07:26:45 | approved |
| S3-240409 | 28/02/2024 07:26:47 | approved |
| S3-240410 | 28/02/2024 07:26:54 | agreed |
| S3-240410 | 28/02/2024 07:26:55 | approved |
| S3-240411 | 28/02/2024 15:49:52 | approved |
| S3-240412 | 28/02/2024 15:51:38 | revised |
| S3-240413 | 28/02/2024 16:00:29 | revised |
| S3-240414 | 28/02/2024 16:07:16 | revised |
| S3-240415 | 28/02/2024 16:10:56 | available |
| S3-240416 | 28/02/2024 16:19:52 | revised |
| S3-240417 | 01/03/2024 12:43:51 | noted |
| S3-240418 | 01/03/2024 12:43:52 | available |
| S3-240419 | 29/02/2024 07:34:39 | noted |
| S3-240420 | 01/03/2024 12:59:36 | noted |
| S3-240421 | 28/02/2024 14:29:18 | noted |
| S3-240422 | 28/02/2024 14:27:37 | revised |
| S3-240423 | 26/02/2024 12:59:14 | available |
| S3-240424 | 26/02/2024 12:59:16 | available |
| S3-240425 | 26/02/2024 13:19:32 | agreed |
| S3-240426 | 26/02/2024 13:14:52 | available |
| S3-240426 | 26/02/2024 13:15:15 | revised |
| S3-240427 | 26/02/2024 12:53:54 | revised |
| S3-240428 | 27/02/2024 09:30:40 | revised |
| S3-240429 | 01/03/2024 09:46:42 | available |
| S3-240430 | 26/02/2024 09:24:20 | available |
| S3-240431 | 29/02/2024 12:31:12 | available |
| S3-240432 | 29/02/2024 12:31:17 | available |
| S3-240433 | 26/02/2024 12:34:06 | agreed |
| S3-240434 | 01/03/2024 13:14:42 | noted |
| S3-240435 | 27/02/2024 15:22:45 | available |
| S3-240436 | 27/02/2024 15:23:00 | revised |
| S3-240437 | 01/03/2024 13:15:13 | available |
| S3-240438 | 01/03/2024 13:15:16 | available |
| S3-240439 | 28/02/2024 14:33:32 | available |
| S3-240440 | 27/02/2024 15:08:02 | noted |
| S3-240441 | 28/02/2024 06:26:56 | available |
| S3-240442 | 28/02/2024 06:40:26 | available |
| S3-240443 | 27/02/2024 15:07:37 | available |
| S3-240444 | 27/02/2024 15:10:01 | available |
| S3-240445 | 27/02/2024 15:10:04 | available |
| S3-240447 | 29/02/2024 07:54:56 | noted |
| S3-240448 | 27/02/2024 16:48:47 | available |
| S3-240449 | 29/02/2024 10:29:09 | revised |
| S3-240450 | 27/02/2024 16:48:58 | noted |
| S3-240451 | 27/02/2024 16:49:27 | agreed |
| S3-240452 | 27/02/2024 16:51:23 | agreed |
| S3-240453 | 26/02/2024 09:52:15 | available |
| S3-240454 | 27/02/2024 16:48:10 | available |
| S3-240455 | 27/02/2024 16:48:24 | noted |
| S3-240456 | 27/02/2024 08:24:58 | available |
| S3-240457 | 27/02/2024 08:26:38 | available |
| S3-240458 | 26/02/2024 14:07:46 | noted |
| S3-240459 | 26/02/2024 14:06:06 | available |
| S3-240460 | 26/02/2024 07:57:18 | available |
| S3-240461 | 26/02/2024 13:28:16 | revised |
| S3-240462 | 26/02/2024 14:07:37 | agreed |
| S3-240463 | 26/02/2024 14:59:07 | available |
| S3-240466 | 28/02/2024 06:24:07 | revised |
| S3-240467 | 28/02/2024 06:40:36 | available |
| S3-240468 | 29/02/2024 14:31:13 | revised |
| S3-240469 | 29/02/2024 14:35:37 | noted |
| S3-240470 | 01/03/2024 11:59:01 | available |
| S3-240472 | 29/02/2024 09:56:06 | available |
| S3-240473 | 29/02/2024 09:56:08 | available |
| S3-240474 | 29/02/2024 14:35:06 | approved |
| S3-240474 | 29/02/2024 14:35:10 | revised |
| S3-240475 | 01/03/2024 12:12:53 | revised |
| S3-240476 | 28/02/2024 14:50:09 | noted |
| S3-240477 | 29/02/2024 12:35:12 | available |
| S3-240477 | 29/02/2024 12:35:24 | merged |
| S3-240478 | 28/02/2024 06:40:43 | available |
| S3-240479 | 01/03/2024 09:30:43 | noted |
| S3-240480 | 26/02/2024 08:29:10 | revised |
| S3-240481 | 29/02/2024 12:22:56 | available |
| S3-240482 | 27/02/2024 17:03:08 | available |
| S3-240482 | 27/02/2024 17:05:34 | not pursued |
| S3-240482 | 29/02/2024 12:23:34 | available |
| S3-240483 | 27/02/2024 17:03:17 | available |
| S3-240483 | 27/02/2024 17:05:36 | not pursued |
| S3-240483 | 29/02/2024 12:23:40 | available |
| S3-240484 | 26/02/2024 10:06:05 | revised |
| S3-240485 | 26/02/2024 10:07:13 | noted |
| S3-240486 | 26/02/2024 09:30:28 | revised |
| S3-240487 | 28/02/2024 09:59:03 | available |
| S3-240488 | 28/02/2024 09:59:08 | available |
| S3-240489 | 29/02/2024 07:54:48 | noted |
| S3-240490 | 01/03/2024 13:00:47 | noted |
| S3-240491 | 28/02/2024 14:17:21 | noted |
| S3-240492 | 28/02/2024 08:13:37 | revised |
| S3-240492 | 28/02/2024 08:33:53 | noted |
| S3-240492 | 29/02/2024 08:24:00 | revised |
| S3-240493 | 01/03/2024 11:59:03 | available |
| S3-240494 | 27/02/2024 08:24:02 | available |
| S3-240495 | 27/02/2024 12:24:10 | available |
| S3-240496 | 01/03/2024 10:03:54 | noted |
| S3-240497 | 28/02/2024 09:57:07 | available |
| S3-240498 | 27/02/2024 16:41:42 | revised |
| S3-240498 | 29/02/2024 12:42:09 | not pursued |
| S3-240499 | 27/02/2024 16:46:13 | revised |
| S3-240500 | 29/02/2024 12:36:57 | available |
| S3-240501 | 27/02/2024 16:45:32 | revised |
| S3-240502 | 29/02/2024 12:36:41 | available |
| S3-240503 | 26/02/2024 07:43:00 | revised |
| S3-240504 | 28/02/2024 16:55:46 | available |
| S3-240505 | 27/02/2024 06:06:50 | noted |
| S3-240506 | 27/02/2024 06:10:55 | revised |
| S3-240507 | 28/02/2024 14:33:36 | available |
| S3-240508 | 28/02/2024 14:33:18 | noted |
| S3-240509 | 27/02/2024 06:44:23 | available |
| S3-240510 | 27/02/2024 06:44:30 | available |
| S3-240511 | 27/02/2024 06:11:46 | revised |
| S3-240512 | 01/03/2024 09:20:13 | available |
| S3-240513 | 26/02/2024 10:16:31 | revised |
| S3-240514 | 27/02/2024 10:15:58 | agreed |
| S3-240515 | 27/02/2024 17:07:56 | available |
| S3-240516 | 27/02/2024 17:10:03 | available |
| S3-240517 | 27/02/2024 17:10:36 | revised |
| S3-240518 | 27/02/2024 17:10:39 | noted |
| S3-240519 | 27/02/2024 17:10:16 | available |
| S3-240520 | 27/02/2024 17:09:35 | available |
| S3-240521 | 27/02/2024 10:19:27 | noted |
| S3-240522 | 27/02/2024 10:20:33 | noted |
| S3-240523 | 27/02/2024 10:20:34 | noted |
| S3-240524 | 27/02/2024 10:24:38 | noted |
| S3-240525 | 29/02/2024 13:12:41 | noted |
| S3-240526 | 01/03/2024 13:18:19 | noted |
| S3-240527 | 29/02/2024 13:12:42 | noted |
| S3-240528 | 29/02/2024 13:12:44 | noted |
| S3-240529 | 28/02/2024 12:53:30 | revised |
| S3-240530 | 29/02/2024 09:55:13 | revised |
| S3-240531 | 27/02/2024 10:29:17 | revised |
| S3-240532 | 29/02/2024 09:56:37 | noted |
| S3-240533 | 26/02/2024 07:55:21 | revised |
| S3-240534 | 26/02/2024 12:36:39 | available |
| S3-240535 | 26/02/2024 12:37:55 | agreed |
| S3-240536 | 27/02/2024 17:07:06 | approved |
| S3-240537 | 29/02/2024 10:12:51 | agreed |
| S3-240538 | 29/02/2024 10:09:26 | available |
| S3-240539 | 27/02/2024 09:55:13 | agreed |
| S3-240540 | 27/02/2024 09:56:12 | agreed |
| S3-240541 | 27/02/2024 09:56:43 | agreed |
| S3-240542 | 27/02/2024 10:01:19 | agreed |
| S3-240543 | 29/02/2024 14:57:25 | revised |
| S3-240544 | 27/02/2024 14:06:49 | noted |
| S3-240545 | 27/02/2024 14:16:02 | revised |
| S3-240546 | 27/02/2024 14:16:05 | revised |
| S3-240547 | 27/02/2024 16:59:52 | available |
| S3-240548 | 27/02/2024 17:06:58 | approved |
| S3-240549 | 26/02/2024 07:47:12 | revised |
| S3-240550 | 01/03/2024 10:13:15 | revised |
| S3-240551 | 27/02/2024 14:41:17 | revised |
| S3-240552 | 28/02/2024 14:57:02 | revised |
| S3-240553 | 28/02/2024 09:25:00 | available |
| S3-240554 | 28/02/2024 09:35:35 | available |
| S3-240555 | 27/02/2024 14:36:57 | revised |
| S3-240556 | 27/02/2024 14:37:23 | revised |
| S3-240557 | 26/02/2024 08:09:58 | available |
| S3-240558 | 26/02/2024 14:05:38 | revised |
| S3-240559 | 28/02/2024 09:52:48 | noted |
| S3-240560 | 28/02/2024 09:28:09 | noted |
| S3-240562 | 29/02/2024 12:26:29 | revised |
| S3-240563 | 01/03/2024 09:31:45 | agreed |
| S3-240565 | 28/02/2024 14:33:43 | available |
| S3-240567 | 26/02/2024 08:09:46 | revised |
| S3-240568 | 26/02/2024 09:09:41 | available |
| S3-240569 | 27/02/2024 17:07:36 | available |
| S3-240570 | 27/02/2024 17:08:01 | noted |
| S3-240571 | 28/02/2024 08:13:56 | available |
| S3-240572 | 01/03/2024 11:59:07 | available |
| S3-240573 | 28/02/2024 08:06:35 | noted |
| S3-240574 | 01/03/2024 11:59:10 | available |
| S3-240575 | 26/02/2024 14:37:54 | revised |
| S3-240576 | 28/02/2024 15:03:43 | revised |
| S3-240577 | 01/03/2024 10:11:35 | available |
| S3-240578 | 27/02/2024 16:43:36 | available |
| S3-240578 | 29/02/2024 12:35:37 | merged |
| S3-240578 | 29/02/2024 12:36:07 | not pursued |
| S3-240578 | 29/02/2024 12:38:30 | available |
| S3-240578 | 29/02/2024 12:41:25 | not pursued |
| S3-240579 | 27/02/2024 16:40:31 | agreed |
| S3-240580 | 29/02/2024 09:57:45 | available |
| S3-240581 | 28/02/2024 13:17:26 | revised |
| S3-240581 | 28/02/2024 13:20:38 | noted |
| S3-240582 | 28/02/2024 13:17:32 | revised |
| S3-240583 | 29/02/2024 09:58:27 | revised |
| S3-240584 | 27/02/2024 16:58:48 | noted |
| S3-240585 | 27/02/2024 17:00:37 | available |
| S3-240586 | 27/02/2024 17:00:51 | available |
| S3-240587 | 27/02/2024 16:28:22 | revised |
| S3-240588 | 27/02/2024 16:28:29 | revised |
| S3-240589 | 27/02/2024 16:28:32 | revised |
| S3-240590 | 27/02/2024 16:28:35 | revised |
| S3-240591 | 29/02/2024 08:07:06 | noted |
| S3-240592 | 01/03/2024 12:46:24 | noted |
| S3-240594 | 29/02/2024 13:16:11 | approved |
| S3-240595 | 29/02/2024 13:16:13 | approved |
| S3-240597 | 29/02/2024 13:16:14 | approved |
| S3-240598 | 01/03/2024 11:40:31 | noted |
| S3-240600 | 01/03/2024 11:40:37 | noted |
| S3-240601 | 29/02/2024 08:07:17 | noted |
| S3-240602 | 01/03/2024 10:11:04 | agreed |
| S3-240603 | 28/02/2024 06:41:43 | available |
| S3-240604 | 27/02/2024 16:41:19 | revised |
| S3-240605 | 28/02/2024 06:27:00 | available |
| S3-240606 | 01/03/2024 11:39:14 | noted |
| S3-240607 | 29/02/2024 10:22:32 | available |
| S3-240608 | 26/02/2024 12:07:21 | noted |
| S3-240609 | 29/02/2024 10:22:35 | available |
| S3-240610 | 27/02/2024 06:12:18 | available |
| S3-240611 | 27/02/2024 06:12:38 | available |
| S3-240612 | 29/02/2024 07:34:48 | noted |
| S3-240613 | 01/03/2024 12:59:54 | noted |
| S3-240614 | 29/02/2024 08:20:49 | available |
| S3-240615 | 28/02/2024 09:40:58 | revised |
| S3-240616 | 28/02/2024 09:48:02 | noted |
| S3-240617 | 01/03/2024 13:15:38 | available |
| S3-240619 | 01/03/2024 09:21:07 | available |
| S3-240620 | 27/02/2024 13:03:48 | revised |
| S3-240621 | 27/02/2024 13:05:06 | revised |
| S3-240622 | 26/02/2024 14:40:45 | revised |
| S3-240623 | 28/02/2024 06:40:49 | available |
| S3-240624 | 28/02/2024 14:33:03 | revised |
| S3-240625 | 26/02/2024 13:16:48 | agreed |
| S3-240626 | 28/02/2024 06:08:52 | approved |
| S3-240627 | 27/02/2024 16:57:44 | revised |
| S3-240628 | 29/02/2024 14:54:50 | noted |
| S3-240629 | 29/02/2024 15:04:08 | available |
| S3-240630 | 01/03/2024 12:49:56 | noted |
| S3-240631 | 26/02/2024 09:08:37 | revised |
| S3-240632 | 27/02/2024 16:58:53 | noted |
| S3-240633 | 26/02/2024 07:38:47 | revised |
| S3-240634 | 26/02/2024 09:30:55 | available |
| S3-240635 | 26/02/2024 12:53:59 | available |
| S3-240636 | 26/02/2024 13:15:21 | available |
| S3-240637 | 27/02/2024 17:03:25 | available |
| S3-240637 | 27/02/2024 17:05:40 | not pursued |
| S3-240637 | 29/02/2024 12:30:49 | available |
| S3-240638 | 29/02/2024 12:22:51 | revised |
| S3-240639 | 27/02/2024 12:51:48 | available |
| S3-240640 | 28/02/2024 06:15:57 | revised |
| S3-240641 | 29/02/2024 08:15:03 | agreed |
| S3-240642 | 27/02/2024 17:07:45 | available |
| S3-240643 | 28/02/2024 06:27:04 | available |
| S3-240644 | 27/02/2024 16:57:06 | available |
| S3-240645 | 28/02/2024 06:41:23 | available |
| S3-240646 | 28/02/2024 06:40:17 | revised |
| S3-240648 | 27/02/2024 16:56:13 | available |
| S3-240650 | 29/02/2024 13:21:39 | available |
| S3-240651 | 26/02/2024 07:38:53 | available |
| S3-240652 | 28/02/2024 15:09:50 | revised |
| S3-240653 | 27/02/2024 16:05:16 | revised |
| S3-240654 | 27/02/2024 16:05:23 | revised |
| S3-240655 | 27/02/2024 16:58:26 | revised |
| S3-240656 | 27/02/2024 16:58:32 | revised |
| S3-240657 | 28/02/2024 06:27:09 | available |
| S3-240658 | 26/02/2024 08:06:30 | noted |
| S3-240659 | 26/02/2024 08:06:43 | noted |
| S3-240660 | 27/02/2024 16:56:53 | agreed |
| S3-240661 | 27/02/2024 09:09:40 | revised |
| S3-240662 | 27/02/2024 16:56:32 | available |
| S3-240663 | 29/02/2024 10:00:15 | noted |
| S3-240664 | 26/02/2024 14:51:40 | agreed |
| S3-240664 | 26/02/2024 14:52:22 | revised |
| S3-240665 | 26/02/2024 14:51:41 | agreed |
| S3-240665 | 26/02/2024 14:52:26 | revised |
| S3-240666 | 26/02/2024 14:54:27 | agreed |
| S3-240667 | 26/02/2024 14:54:28 | agreed |
| S3-240668 | 26/02/2024 14:54:29 | agreed |
| S3-240669 | 26/02/2024 15:02:30 | noted |
| S3-240670 | 29/02/2024 10:00:50 | available |
| S3-240671 | 29/02/2024 10:00:55 | available |
| S3-240672 | 27/02/2024 13:07:48 | available |
| S3-240672 | 27/02/2024 13:09:18 | not pursued |
| S3-240672 | 29/02/2024 13:22:57 | agreed |
| S3-240673 | 29/02/2024 13:23:18 | agreed |
| S3-240674 | 27/02/2024 13:15:47 | agreed |
| S3-240675 | 27/02/2024 12:43:57 | available |
| S3-240675 | 27/02/2024 12:45:08 | revised |
| S3-240676 | 27/02/2024 12:51:42 | revised |
| S3-240677 | 27/02/2024 13:00:13 | available |
| S3-240678 | 27/02/2024 13:17:09 | available |
| S3-240678 | 28/02/2024 06:18:37 | not pursued |
| S3-240678 | 29/02/2024 13:24:20 | available |
| S3-240679 | 28/02/2024 06:18:46 | available |
| S3-240680 | 01/03/2024 13:03:04 | noted |
| S3-240681 | 27/02/2024 15:18:05 | revised |
| S3-240681 | 27/02/2024 15:23:09 | available |
| S3-240681 | 28/02/2024 06:58:00 | merged |
| S3-240681 | 28/02/2024 06:58:26 | revised |
| S3-240682 | 01/03/2024 13:16:56 | available |
| S3-240683 | 01/03/2024 13:16:58 | available |
| S3-240683 | 01/03/2024 13:17:06 | not treated |
| S3-240684 | 01/03/2024 13:17:00 | available |
| S3-240685 | 01/03/2024 13:14:16 | noted |
| S3-240686 | 27/02/2024 15:06:27 | revised |
| S3-240687 | 27/02/2024 15:08:26 | revised |
| S3-240688 | 27/02/2024 16:05:29 | revised |
| S3-240689 | 29/02/2024 12:38:32 | available |
| S3-240689 | 29/02/2024 12:45:00 | not pursued |
| S3-240689 | 01/03/2024 10:10:46 | available |
| S3-240690 | 28/02/2024 15:12:14 | revised |
| S3-240691 | 01/03/2024 12:50:17 | noted |
| S3-240692 | 26/02/2024 08:06:48 | postponed |
| S3-240693 | 26/02/2024 07:47:17 | available |
| S3-240694 | 01/03/2024 09:20:36 | available |
| S3-240695 | 26/02/2024 12:59:21 | available |
| S3-240696 | 28/02/2024 16:20:00 | available |
| S3-240697 | 29/02/2024 14:33:33 | available |
| S3-240698 | 29/02/2024 15:05:36 | revised |
| S3-240698 | 29/02/2024 15:11:09 | noted |
| S3-240698 | 01/03/2024 06:56:23 | revised |
| S3-240699 | 27/02/2024 17:07:18 | revised |
| S3-240700 | 28/02/2024 06:40:59 | available |
| S3-240701 | 01/03/2024 11:38:17 | available |
| S3-240702 | 01/03/2024 11:38:31 | available |
| S3-240703 | 28/02/2024 15:16:23 | revised |
| S3-240704 | 28/02/2024 15:23:48 | revised |
| S3-240705 | 01/03/2024 12:57:51 | noted |
| S3-240705 | 01/03/2024 12:58:01 | revised |
| S3-240706 | 26/02/2024 09:51:55 | revised |
| S3-240707 | 26/02/2024 06:58:49 | withdrawn |
| S3-240708 | 27/02/2024 16:47:36 | revised |
| S3-240709 | 01/03/2024 12:58:55 | noted |
| S3-240710 | 28/02/2024 14:44:46 | revised |
| S3-240711 | 29/02/2024 07:12:29 | noted |
| S3-240712 | 01/03/2024 08:09:33 | noted |
| S3-240714 | 26/02/2024 08:10:06 | available |
| S3-240715 | 28/02/2024 09:13:16 | revised |
| S3-240716 | 28/02/2024 09:24:15 | revised |
| S3-240717 | 26/02/2024 09:22:00 | noted |
| S3-240718 | 28/02/2024 16:10:44 | revised |
| S3-240719 | 28/02/2024 16:20:10 | available |
| S3-240720 | 29/02/2024 14:35:28 | noted |
| S3-240721 | 28/02/2024 16:11:06 | available |
| S3-240722 | 28/02/2024 16:20:17 | available |
| S3-240723 | 01/03/2024 09:27:51 | available |
| S3-240724 | 26/02/2024 07:43:08 | available |
| S3-240725 | 26/02/2024 15:20:09 | revised |
| S3-240726 | 28/02/2024 09:54:54 | available |
| S3-240727 | 27/02/2024 12:08:45 | revised |
| S3-240728 | 27/02/2024 10:05:46 | agreed |
| S3-240730 | 26/02/2024 12:15:49 | noted |
| S3-240731 | 29/02/2024 09:44:47 | available |
| S3-240732 | 29/02/2024 10:23:45 | revised |
| S3-240733 | 01/03/2024 09:37:49 | agreed |
| S3-240734 | 01/03/2024 10:05:50 | revised |
| S3-240735 | 26/02/2024 09:31:03 | available |
| S3-240736 | 27/02/2024 12:12:36 | revised |
| S3-240737 | 27/02/2024 14:38:40 | revised |
| S3-240738 | 01/03/2024 10:04:14 | noted |
| S3-240739 | 01/03/2024 10:04:08 | noted |
| S3-240740 | 29/02/2024 14:24:55 | noted |
| S3-240741 | 28/02/2024 09:56:50 | available |
| S3-240742 | 28/02/2024 09:57:18 | available |
| S3-240743 | 01/03/2024 09:20:52 | available |
| S3-240744 | 01/03/2024 09:20:00 | noted |
| S3-240745 | 01/03/2024 09:23:00 | noted |
| S3-240746 | 26/02/2024 12:04:27 | revised |
| S3-240747 | 01/03/2024 09:23:01 | noted |
| S3-240748 | 01/03/2024 09:23:02 | noted |
| S3-240749 | 01/03/2024 09:23:06 | noted |
| S3-240750 | 28/02/2024 10:03:53 | available |
| S3-240751 | 28/02/2024 09:59:35 | revised |
| S3-240752 | 28/02/2024 09:58:22 | revised |
| S3-240753 | 27/02/2024 17:14:29 | revised |
| S3-240754 | 29/02/2024 09:43:36 | revised |
| S3-240755 | 27/02/2024 08:24:37 | available |
| S3-240756 | 27/02/2024 12:17:31 | noted |
| S3-240757 | 27/02/2024 16:48:38 | noted |
| S3-240758 | 28/02/2024 14:20:31 | revised |
| S3-240759 | 27/02/2024 14:57:38 | revised |
| S3-240760 | 26/02/2024 10:22:48 | revised |
| S3-240761 | 28/02/2024 09:11:38 | approved |
| S3-240762 | 28/02/2024 09:17:48 | revised |
| S3-240763 | 28/02/2024 09:32:51 | revised |
| S3-240764 | 29/02/2024 08:20:42 | revised |
| S3-240765 | 01/03/2024 12:59:21 | noted |
| S3-240766 | 29/02/2024 07:24:42 | noted |
| S3-240767 | 29/02/2024 12:30:05 | revised |
| S3-240768 | 29/02/2024 12:30:18 | revised |
| S3-240769 | 29/02/2024 08:24:46 | available |
| S3-240770 | 26/02/2024 09:24:13 | revised |
| S3-240771 | 27/02/2024 17:09:54 | available |
| S3-240772 | 27/02/2024 17:09:44 | available |
| S3-240773 | 27/02/2024 17:09:21 | available |
| S3-240774 | 27/02/2024 12:19:48 | available |
| S3-240775 | 01/03/2024 09:32:56 | revised |
| S3-240776 | 26/02/2024 15:26:32 | available |
| S3-240777 | 01/03/2024 11:39:39 | noted |
| S3-240778 | 28/02/2024 09:58:57 | available |
| S3-240779 | 27/02/2024 06:15:39 | available |
| S3-240780 | 28/02/2024 06:26:51 | revised |
| S3-240781 | 28/02/2024 06:41:08 | available |
| S3-240782 | 28/02/2024 09:24:53 | available |
| S3-240783 | 26/02/2024 07:55:46 | available |
| S3-240784 | 01/03/2024 11:58:00 | available |
| S3-240785 | 29/02/2024 15:05:41 | available |
| S3-240785 | 29/02/2024 15:11:12 | noted |
| S3-240786 | 27/02/2024 17:07:52 | available |
| S3-240787 | 29/02/2024 09:17:38 | noted |
| S3-240788 | 28/02/2024 16:20:21 | available |
| S3-240789 | 01/03/2024 09:41:11 | available |
| S3-240790 | 01/03/2024 09:41:14 | available |
| S3-240791 | 26/02/2024 13:00:46 | revised |
| S3-240792 | 26/02/2024 12:58:53 | revised |
| S3-240793 | 26/02/2024 13:21:26 | available |
| S3-240794 | 26/02/2024 13:22:27 | agreed |
| S3-240795 | 01/03/2024 09:17:21 | available |
| S3-240796 | 27/02/2024 07:15:27 | noted |
| S3-240797 | 27/02/2024 07:23:07 | available |
| S3-240798 | 28/02/2024 09:57:22 | available |
| S3-240799 | 28/02/2024 09:56:55 | available |
| S3-240800 | 26/02/2024 09:31:10 | available |
| S3-240801 | 28/02/2024 09:55:00 | available |
| S3-240802 | 27/02/2024 08:17:39 | revised |
| S3-240803 | 01/03/2024 10:07:12 | revised |
| S3-240804 | 27/02/2024 08:24:29 | revised |
| S3-240805 | 28/02/2024 15:04:38 | noted |
| S3-240807 | 28/02/2024 06:41:16 | available |
| S3-240808 | 28/02/2024 06:41:30 | available |
| S3-240809 | 29/02/2024 15:20:58 | revised |
| S3-240809 | 29/02/2024 15:21:34 | noted |
| S3-240810 | 01/03/2024 11:38:43 | available |
| S3-240811 | 28/02/2024 13:00:12 | revised |
| S3-240812 | 28/02/2024 14:50:12 | noted |
| S3-240813 | 01/03/2024 13:00:32 | noted |
| S3-240814 | 29/02/2024 14:14:49 | revised |
| S3-240815 | 27/02/2024 14:39:21 | revised |
| S3-240816 | 27/02/2024 12:20:39 | approved |
| S3-240817 | 28/02/2024 07:18:39 | approved |
| S3-240818 | 28/02/2024 07:18:40 | approved |
| S3-240819 | 28/02/2024 07:18:41 | approved |
| S3-240820 | 28/02/2024 07:18:43 | approved |
| S3-240821 | 28/02/2024 10:05:10 | available |
| S3-240821 | 28/02/2024 10:08:44 | not pursued |
| S3-240821 | 01/03/2024 10:06:08 | available |
| S3-240822 | 29/02/2024 10:34:55 | revised |
| S3-240823 | 28/02/2024 16:47:30 | noted |
| S3-240823 | 29/02/2024 10:35:04 | revised |
| S3-240824 | 28/02/2024 16:55:41 | revised |
| S3-240825 | 27/02/2024 10:07:21 | agreed |
| S3-240826 | 26/02/2024 07:18:29 | approved |
| S3-240827 | 01/03/2024 13:21:36 | noted |
| S3-240828 | 29/02/2024 09:12:52 | approved |
| S3-240829 | 29/02/2024 09:14:27 | approved |
| S3-240830 | 29/02/2024 09:16:04 | approved |
| S3-240831 | 01/03/2024 11:18:00 | noted |
| S3-240832 | 29/02/2024 09:20:33 | approved |
| S3-240833 | 29/02/2024 09:23:28 | approved |
| S3-240834 | 28/02/2024 07:33:50 | approved |
| S3-240835 | 01/03/2024 11:20:04 | approved |
| S3-240836 | 01/03/2024 10:02:12 | approved |
| S3-240837 | 01/03/2024 11:21:05 | approved |
| S3-240837 | 04/03/2024 14:12:57 | revised |
| S3-240838 | 01/03/2024 11:24:10 | approved |
| S3-240839 | 01/03/2024 11:19:25 | approved |
| S3-240840 | 01/03/2024 11:26:55 | approved |
| S3-240841 | 29/02/2024 09:38:32 | approved |
| S3-240841 | 29/02/2024 09:39:14 | revised |
| S3-240841 | 29/02/2024 09:39:18 | approved |
| S3-240842 | 26/02/2024 12:12:38 | revised |
| S3-240842 | 29/02/2024 09:42:27 | agreed |
| S3-240843 | 26/02/2024 12:12:47 | revised |
| S3-240843 | 29/02/2024 09:42:16 | agreed |
| S3-240844 | 29/02/2024 09:42:16 | agreed |
| S3-240845 | 26/02/2024 12:25:57 | agreed |
| S3-240846 | 26/02/2024 12:25:55 | agreed |
| S3-240847 | 26/02/2024 12:25:54 | agreed |
| S3-240848 | 01/03/2024 09:25:35 | agreed |
| S3-240849 | 01/03/2024 09:15:38 | agreed |
| S3-240850 | 01/03/2024 09:17:07 | agreed |
| S3-240851 | 26/02/2024 13:03:05 | agreed |
| S3-240852 | 01/03/2024 09:17:56 | agreed |
| S3-240853 | 26/02/2024 13:28:23 | agreed |
| S3-240854 | 01/03/2024 11:18:20 | reserved |
| S3-240855 | 26/02/2024 14:38:01 | agreed |
| S3-240855 | 01/03/2024 12:25:45 | available |
| S3-240856 | 26/02/2024 14:41:34 | agreed |
| S3-240857 | 29/02/2024 09:42:17 | agreed |
| S3-240858 | 26/02/2024 14:52:31 | agreed |
| S3-240859 | 26/02/2024 14:52:32 | agreed |
| S3-240860 | 26/02/2024 15:20:47 | agreed |
| S3-240861 | 29/02/2024 09:12:28 | agreed |
| S3-240862 | 01/03/2024 09:36:50 | agreed |
| S3-240863 | 01/03/2024 09:36:51 | agreed |
| S3-240864 | 29/02/2024 10:21:09 | agreed |
| S3-240865 | 27/02/2024 08:17:52 | agreed |
| S3-240866 | 01/03/2024 10:08:49 | agreed |
| S3-240867 | 29/02/2024 10:17:43 | reserved |
| S3-240868 | 01/03/2024 08:22:11 | noted |
| S3-240869 | 27/02/2024 09:34:13 | agreed |
| S3-240870 | 01/03/2024 09:29:41 | noted |
| S3-240871 | 27/02/2024 10:29:26 | agreed |
| S3-240872 | 27/02/2024 12:08:55 | approved |
| S3-240873 | 27/02/2024 12:12:37 | agreed |
| S3-240874 | 01/03/2024 13:17:38 | reserved |
| S3-240875 | 29/02/2024 13:15:14 | agreed |
| S3-240876 | 01/03/2024 13:20:17 | reserved |
| S3-240877 | 27/02/2024 12:46:19 | reserved |
| S3-240877 | 28/02/2024 06:18:22 | not pursued |
| S3-240877 | 29/02/2024 13:19:24 | available |
| S3-240878 | 29/02/2024 13:20:25 | reserved |
| S3-240878 | 04/03/2024 12:00:58 | revised |
| S3-240879 | 27/02/2024 13:04:38 | agreed |
| S3-240880 | 27/02/2024 13:05:12 | agreed |
| S3-240881 | 01/03/2024 13:20:23 | reserved |
| S3-240882 | 01/03/2024 10:16:47 | approved |
| S3-240883 | 01/03/2024 10:17:20 | approved |
| S3-240884 | 01/03/2024 10:27:53 | reserved |
| S3-240885 | 01/03/2024 10:27:55 | reserved |
| S3-240886 | 29/02/2024 13:09:50 | approved |
| S3-240887 | 29/02/2024 12:59:59 | approved |
| S3-240888 | 29/02/2024 13:03:15 | approved |
| S3-240889 | 29/02/2024 13:05:09 | agreed |
| S3-240890 | 01/03/2024 10:17:46 | agreed |
| S3-240891 | 29/02/2024 13:01:59 | agreed |
| S3-240892 | 01/03/2024 13:11:19 | approved |
| S3-240893 | 01/03/2024 13:12:22 | agreed |
| S3-240894 | 01/03/2024 13:12:44 | approved |
| S3-240895 | 01/03/2024 13:16:41 | agreed |
| S3-240896 | 29/02/2024 13:27:02 | approved |
| S3-240897 | 29/02/2024 14:05:51 | approved |
| S3-240898 | 29/02/2024 14:08:22 | approved |
| S3-240899 | 29/02/2024 12:10:05 | agreed |
| S3-240900 | 29/02/2024 12:12:27 | agreed |
| S3-240901 | 29/02/2024 12:12:46 | agreed |
| S3-240902 | 29/02/2024 14:07:28 | approved |
| S3-240903 | 29/02/2024 14:09:08 | approved |
| S3-240904 | 29/02/2024 14:09:37 | approved |
| S3-240905 | 01/03/2024 11:46:51 | approved |
| S3-240906 | 01/03/2024 12:36:41 | approved |
| S3-240907 | 29/02/2024 12:19:48 | agreed |
| S3-240908 | 29/02/2024 12:19:50 | agreed |
| S3-240909 | 29/02/2024 12:20:27 | agreed |
| S3-240910 | 01/03/2024 10:09:49 | reserved |
| S3-240911 | 29/02/2024 12:35:29 | withdrawn |
| S3-240912 | 29/02/2024 12:54:42 | approved |
| S3-240913 | 29/02/2024 12:38:09 | reserved |
| S3-240914 | 29/02/2024 12:55:23 | agreed |
| S3-240915 | 29/02/2024 15:49:57 | agreed |
| S3-240916 | 01/03/2024 09:41:53 | reserved |
| S3-240917 | 29/02/2024 12:13:12 | reserved |
| S3-240918 | 29/02/2024 12:13:16 | reserved |
| S3-240919 | 01/03/2024 12:00:27 | approved |
| S3-240920 | 01/03/2024 12:07:06 | approved |
| S3-240921 | 01/03/2024 12:07:40 | approved |
| S3-240922 | 01/03/2024 12:08:09 | approved |
| S3-240923 | 01/03/2024 12:08:33 | approved |
| S3-240924 | 01/03/2024 12:09:29 | approved |
| S3-240925 | 01/03/2024 12:11:02 | approved |
| S3-240926 | 01/03/2024 12:11:31 | approved |
| S3-240927 | 01/03/2024 12:11:33 | reserved |
| S3-240928 | 01/03/2024 12:00:39 | reserved |
| S3-240928 | 01/03/2024 12:00:46 | approved |
| S3-240929 | 01/03/2024 10:05:04 | agreed |
| S3-240930 | 01/03/2024 11:44:34 | reserved |
| S3-240931 | 29/02/2024 15:14:22 | approved |
| S3-240932 | 28/02/2024 06:24:41 | approved |
| S3-240933 | 01/03/2024 11:37:03 | approved |
| S3-240934 | 01/03/2024 11:37:50 | approved |
| S3-240935 | 29/02/2024 10:12:38 | approved |
| S3-240936 | 01/03/2024 12:21:17 | approved |
| S3-240937 | 01/03/2024 12:21:17 | approved |
| S3-240938 | 01/03/2024 12:21:18 | approved |
| S3-240939 | 01/03/2024 12:21:19 | approved |
| S3-240940 | 29/02/2024 15:37:54 | approved |
| S3-240941 | 01/03/2024 11:51:00 | reserved |
| S3-240942 | 28/02/2024 09:13:17 | approved |
| S3-240943 | 28/02/2024 09:19:57 | approved |
| S3-240944 | 29/02/2024 14:26:15 | approved |
| S3-240945 | 01/03/2024 11:50:11 | approved |
| S3-240946 | 01/03/2024 11:50:45 | noted |
| S3-240947 | 29/02/2024 15:36:24 | approved |
| S3-240948 | 01/03/2024 09:50:07 | agreed |
| S3-240949 | 01/03/2024 10:01:26 | reserved |
| S3-240950 | 01/03/2024 11:45:24 | approved |
| S3-240951 | 01/03/2024 12:45:06 | agreed |
| S3-240952 | 01/03/2024 12:50:42 | agreed |
| S3-240953 | 28/02/2024 13:20:34 | withdrawn |
| S3-240954 | 01/03/2024 12:45:50 | agreed |
| S3-240955 | 01/03/2024 07:34:24 | agreed |
| S3-240956 | 01/03/2024 13:08:14 | agreed |
| S3-240957 | 01/03/2024 07:35:19 | agreed |
| S3-240958 | 01/03/2024 13:09:05 | agreed |
| S3-240959 | 01/03/2024 13:09:04 | agreed |
| S3-240960 | 01/03/2024 13:09:02 | agreed |
| S3-240961 | 01/03/2024 13:09:01 | agreed |
| S3-240962 | 01/03/2024 13:08:59 | agreed |
| S3-240963 | 01/03/2024 13:08:58 | agreed |
| S3-240964 | 01/03/2024 13:08:56 | agreed |
| S3-240965 | 01/03/2024 13:08:55 | agreed |
| S3-240966 | 01/03/2024 13:08:54 | agreed |
| S3-240967 | 01/03/2024 08:06:59 | agreed |
| S3-240968 | 01/03/2024 08:12:56 | agreed |
| S3-240969 | 01/03/2024 07:36:57 | agreed |
| S3-240970 | 01/03/2024 08:11:05 | approved |
| S3-240970 | 01/03/2024 08:11:07 | agreed |
| S3-240971 | 01/03/2024 07:52:59 | agreed |
| S3-240972 | 01/03/2024 07:54:33 | agreed |
| S3-240973 | 01/03/2024 07:56:05 | agreed |
| S3-240974 | 01/03/2024 12:53:34 | agreed |
| S3-240975 | 01/03/2024 12:54:09 | noted |
| S3-240976 | 28/02/2024 15:51:48 | approved |
| S3-240977 | 01/03/2024 11:51:26 | reserved |
| S3-240978 | 29/02/2024 14:29:55 | approved |
| S3-240979 | 29/02/2024 14:32:01 | approved |
| S3-240980 | 29/02/2024 14:32:51 | approved |
| S3-240981 | 29/02/2024 14:34:15 | approved |
| S3-240982 | 01/03/2024 11:54:17 | reserved |
| S3-240983 | 29/02/2024 14:37:08 | approved |
| S3-240984 | 01/03/2024 11:53:45 | approved |
| S3-240985 | 28/02/2024 17:05:04 | approved |
| S3-240986 | 28/02/2024 17:04:58 | approved |
| S3-240987 | 29/02/2024 14:37:58 | approved |
| S3-240988 | 01/03/2024 13:07:21 | agreed |
| S3-240989 | 01/03/2024 11:58:52 | noted |
| S3-240990 | 01/03/2024 09:22:44 | agreed |
| S3-240991 | 01/03/2024 09:28:27 | reserved |
| S3-240992 | 01/03/2024 09:26:03 | agreed |
| S3-240993 | 01/03/2024 09:27:20 | reserved |
| S3-240994 | 01/03/2024 09:38:32 | agreed |
| S3-240995 | 29/02/2024 10:29:11 | agreed |
| S3-240996 | 01/03/2024 11:25:18 | approved |
| S3-240996 | 05/03/2024 07:59:31 | revised |
| S3-240997 | 29/02/2024 14:43:27 | approved |
| S3-240998 | 01/03/2024 11:53:03 | approved |
| S3-240999 | 01/03/2024 11:34:10 | noted |
| S3-241000 | 01/03/2024 09:44:50 | noted |
| S3-241001 | 01/03/2024 09:31:26 | agreed |
| S3-241002 | 01/03/2024 09:48:27 | agreed |
| S3-241003 | 01/03/2024 09:48:29 | agreed |
| S3-241004 | 29/02/2024 14:14:52 | approved |
| S3-241005 | 29/02/2024 14:16:14 | approved |
| S3-241006 | 29/02/2024 14:31:14 | approved |
| S3-241007 | 29/02/2024 14:35:13 | approved |
| S3-241008 | 01/03/2024 11:55:18 | approved |
| S3-241009 | 01/03/2024 11:57:05 | approved |
| S3-241010 | 01/03/2024 12:02:24 | reserved |
| S3-241011 | 01/03/2024 12:25:12 | approved |
| S3-241012 | 01/03/2024 12:25:12 | approved |
| S3-241013 | 01/03/2024 12:25:13 | approved |
| S3-241014 | 01/03/2024 12:25:14 | approved |
| S3-241015 | 01/03/2024 12:25:15 | approved |
| S3-241016 | 01/03/2024 12:25:16 | approved |
| S3-241017 | 01/03/2024 12:25:16 | approved |
| S3-241018 | 01/03/2024 12:25:17 | approved |
| S3-241019 | 01/03/2024 12:25:18 | approved |
| S3-241020 | 29/02/2024 15:51:38 | approved |
| S3-241021 | 01/03/2024 11:48:14 | approved |
| S3-241022 | 01/03/2024 11:57:32 | noted |
| S3-241023 | 01/03/2024 12:25:19 | approved |
| S3-241024 | 01/03/2024 12:25:19 | approved |
| S3-241025 | 01/03/2024 12:25:20 | approved |
| S3-241026 | 01/03/2024 12:25:21 | approved |
| S3-241027 | 01/03/2024 12:25:22 | approved |
| S3-241028 | 01/03/2024 12:25:22 | approved |
| S3-241029 | 01/03/2024 12:25:23 | approved |
| S3-241030 | 01/03/2024 12:25:24 | approved |
| S3-241031 | 01/03/2024 12:25:25 | approved |
| S3-241032 | 01/03/2024 09:32:57 | agreed |
| S3-241033 | 01/03/2024 09:39:23 | agreed |
| S3-241034 | 01/03/2024 10:05:52 | agreed |
| S3-241035 | 01/03/2024 10:07:13 | agreed |
| S3-241036 | 01/03/2024 10:13:37 | agreed |
| S3-241037 | 01/03/2024 12:18:59 | approved |
| S3-241038 | 01/03/2024 13:19:36 | reserved |
| S3-241039 | 01/03/2024 12:14:31 | agreed |
| S3-241040 | 01/03/2024 12:43:26 | agreed |
| S3-241041 | 01/03/2024 12:58:04 | noted |
| S3-241042 | 04/03/2024 12:01:00 | reserved |
| S3-241042 | 04/03/2024 14:12:58 | approved |
| S3-241043 | 14/05/2024 08:08:07 | approved |
| S3-241700 | 20/05/2024 00:13:47 | approved |
| S3-241701 | 20/05/2024 00:19:37 | approved |
| S3-241702 | 20/05/2024 00:19:37 | approved |
| S3-241703 | 20/05/2024 00:13:50 | noted |
| S3-241704 | 20/05/2024 00:13:56 | revised |
| S3-241705 | 24/05/2024 12:31:27 | noted |
| S3-241705 | 24/05/2024 12:51:51 | approved |
| S3-241706 | 20/05/2024 00:17:33 | noted |
| S3-241708 | 21/05/2024 17:06:29 | revised |
| S3-241709 | 21/05/2024 17:07:02 | revised |
| S3-241710 | 22/05/2024 15:15:08 | revised |
| S3-241711 | 22/05/2024 12:13:29 | revised |
| S3-241712 | 22/05/2024 14:57:30 | noted |
| S3-241713 | 21/05/2024 12:06:55 | revised |
| S3-241714 | 21/05/2024 12:08:27 | revised |
| S3-241715 | 21/05/2024 12:32:56 | revised |
| S3-241716 | 21/05/2024 12:37:33 | revised |
| S3-241717 | 21/05/2024 12:25:13 | available |
| S3-241718 | 23/05/2024 12:24:33 | noted |
| S3-241719 | 22/05/2024 14:55:32 | noted |
| S3-241720 | 23/05/2024 12:45:17 | revised |
| S3-241721 | 22/05/2024 15:01:44 | approved |
| S3-241721 | 22/05/2024 15:40:23 | revised |
| S3-241722 | 21/05/2024 17:11:15 | revised |
| S3-241723 | 24/05/2024 09:57:01 | available |
| S3-241724 | 21/05/2024 07:14:18 | available |
| S3-241725 | 20/05/2024 10:11:25 | noted |
| S3-241726 | 20/05/2024 00:33:05 | available |
| S3-241727 | 20/05/2024 00:29:00 | replied to |
| S3-241728 | 24/05/2024 12:16:37 | available |
| S3-241729 | 20/05/2024 00:43:37 | available |
| S3-241730 | 20/05/2024 10:11:33 | noted |
| S3-241731 | 20/05/2024 10:11:36 | noted |
| S3-241732 | 20/05/2024 10:11:37 | noted |
| S3-241733 | 20/05/2024 00:49:29 | available |
| S3-241733 | 24/05/2024 12:14:08 | postponed |
| S3-241734 | 20/05/2024 10:12:59 | noted |
| S3-241735 | 20/05/2024 10:12:05 | noted |
| S3-241736 | 20/05/2024 00:54:10 | available |
| S3-241736 | 24/05/2024 07:46:11 | postponed |
| S3-241737 | 24/05/2024 07:47:31 | available |
| S3-241738 | 20/05/2024 10:11:46 | noted |
| S3-241739 | 20/05/2024 10:11:25 | noted |
| S3-241740 | 20/05/2024 10:11:38 | noted |
| S3-241741 | 20/05/2024 08:07:51 | available |
| S3-241741 | 23/05/2024 08:08:24 | noted |
| S3-241742 | 20/05/2024 10:11:27 | noted |
| S3-241743 | 20/05/2024 10:11:27 | noted |
| S3-241744 | 20/05/2024 10:11:31 | noted |
| S3-241745 | 20/05/2024 10:11:32 | noted |
| S3-241746 | 24/05/2024 07:51:42 | postponed |
| S3-241747 | 20/05/2024 10:12:08 | noted |
| S3-241748 | 20/05/2024 08:24:57 | available |
| S3-241749 | 22/05/2024 13:30:24 | noted |
| S3-241750 | 20/05/2024 08:31:36 | available |
| S3-241751 | 20/05/2024 09:19:14 | available |
| S3-241752 | 20/05/2024 10:12:04 | noted |
| S3-241753 | 20/05/2024 10:12:06 | noted |
| S3-241754 | 20/05/2024 10:12:10 | noted |
| S3-241755 | 20/05/2024 10:12:13 | noted |
| S3-241756 | 20/05/2024 09:24:06 | noted |
| S3-241757 | 20/05/2024 09:24:33 | noted |
| S3-241758 | 20/05/2024 10:00:36 | noted |
| S3-241759 | 20/05/2024 10:00:57 | noted |
| S3-241760 | 20/05/2024 10:11:39 | noted |
| S3-241761 | 20/05/2024 09:25:47 | noted |
| S3-241762 | 20/05/2024 10:11:44 | noted |
| S3-241763 | 20/05/2024 09:31:17 | available |
| S3-241764 | 21/05/2024 16:29:44 | available |
| S3-241765 | 20/05/2024 09:32:28 | available |
| S3-241765 | 20/05/2024 09:32:32 | repled |
| S3-241765 | 20/05/2024 09:43:35 | noted |
| S3-241766 | 20/05/2024 09:32:11 | available |
| S3-241766 | 20/05/2024 09:32:43 | replied to |
| S3-241766 | 20/05/2024 09:35:40 | available |
| S3-241767 | 20/05/2024 10:01:32 | noted |
| S3-241768 | 24/05/2024 10:17:20 | revised |
| S3-241769 | 24/05/2024 10:17:33 | revised |
| S3-241770 | 24/05/2024 10:17:59 | noted |
| S3-241770 | 24/05/2024 12:24:44 | approved |
| S3-241771 | 24/05/2024 09:15:17 | noted |
| S3-241772 | 21/05/2024 09:15:37 | revised |
| S3-241773 | 24/05/2024 07:59:51 | available |
| S3-241777 | 20/05/2024 14:32:15 | available |
| S3-241778 | 20/05/2024 09:18:52 | available |
| S3-241779 | 21/05/2024 14:27:57 | revised |
| S3-241780 | 21/05/2024 09:20:41 | approved |
| S3-241781 | 21/05/2024 09:21:03 | approved |
| S3-241781 | 23/05/2024 10:36:10 | revised |
| S3-241782 | 21/05/2024 09:07:05 | revised |
| S3-241783 | 24/05/2024 10:01:20 | noted |
| S3-241784 | 24/05/2024 10:03:44 | revised |
| S3-241785 | 24/05/2024 10:07:15 | available |
| S3-241786 | 24/05/2024 10:10:47 | revised |
| S3-241787 | 22/05/2024 16:44:42 | noted |
| S3-241788 | 20/05/2024 14:32:31 | available |
| S3-241789 | 21/05/2024 15:07:59 | revised |
| S3-241790 | 23/05/2024 07:20:08 | noted |
| S3-241791 | 24/05/2024 09:14:10 | revised |
| S3-241792 | 21/05/2024 12:17:21 | noted |
| S3-241793 | 23/05/2024 09:53:19 | agreed |
| S3-241794 | 20/05/2024 13:08:22 | revised |
| S3-241795 | 20/05/2024 13:10:10 | revised |
| S3-241796 | 20/05/2024 09:59:27 | withdrawn |
| S3-241797 | 21/05/2024 16:33:20 | revised |
| S3-241798 | 21/05/2024 16:11:48 | available |
| S3-241799 | 21/05/2024 14:21:19 | revised |
| S3-241800 | 22/05/2024 15:26:25 | noted |
| S3-241801 | 21/05/2024 17:19:56 | revised |
| S3-241802 | 22/05/2024 15:03:44 | available |
| S3-241803 | 22/05/2024 15:03:15 | revised |
| S3-241805 | 22/05/2024 15:05:13 | revised |
| S3-241805 | 24/05/2024 17:14:53 | noted |
| S3-241806 | 22/05/2024 15:02:57 | approved |
| S3-241807 | 22/05/2024 15:06:33 | approved |
| S3-241808 | 21/05/2024 17:14:14 | revised |
| S3-241809 | 21/05/2024 17:14:18 | revised |
| S3-241810 | 21/05/2024 17:11:21 | revised |
| S3-241811 | 22/05/2024 15:25:01 | revised |
| S3-241812 | 20/05/2024 00:54:02 | available |
| S3-241813 | 20/05/2024 10:16:33 | available |
| S3-241814 | 20/05/2024 00:42:47 | available |
| S3-241815 | 20/05/2024 00:43:25 | available |
| S3-241816 | 20/05/2024 10:24:09 | revised |
| S3-241817 | 20/05/2024 10:24:32 | revised |
| S3-241818 | 20/05/2024 10:25:13 | agreed |
| S3-241819 | 20/05/2024 10:25:14 | agreed |
| S3-241820 | 23/05/2024 09:37:03 | revised |
| S3-241821 | 23/05/2024 09:37:15 | revised |
| S3-241822 | 20/05/2024 10:20:43 | noted |
| S3-241823 | 20/05/2024 10:19:51 | revised |
| S3-241824 | 24/05/2024 07:07:14 | revised |
| S3-241825 | 20/05/2024 12:15:04 | revised |
| S3-241826 | 20/05/2024 12:20:40 | revised |
| S3-241827 | 22/05/2024 15:07:08 | noted |
| S3-241828 | 22/05/2024 15:07:16 | revised |
| S3-241829 | 21/05/2024 17:07:58 | revised |
| S3-241830 | 21/05/2024 17:07:47 | revised |
| S3-241831 | 21/05/2024 17:20:26 | revised |
| S3-241832 | 21/05/2024 13:08:05 | revised |
| S3-241833 | 22/05/2024 15:10:24 | revised |
| S3-241834 | 23/05/2024 08:38:11 | revised |
| S3-241835 | 22/05/2024 13:26:21 | revised |
| S3-241836 | 22/05/2024 13:27:13 | revised |
| S3-241837 | 21/05/2024 17:06:44 | revised |
| S3-241838 | 22/05/2024 16:44:41 | noted |
| S3-241839 | 22/05/2024 15:05:33 | approved |
| S3-241840 | 22/05/2024 15:01:35 | approved |
| S3-241841 | 21/05/2024 16:27:45 | available |
| S3-241842 | 21/05/2024 16:49:22 | revised |
| S3-241843 | 21/05/2024 16:51:15 | revised |
| S3-241844 | 20/05/2024 08:25:14 | available |
| S3-241845 | 22/05/2024 10:14:03 | noted |
| S3-241846 | 22/05/2024 10:15:08 | available |
| S3-241847 | 23/05/2024 07:42:09 | available |
| S3-241848 | 22/05/2024 09:26:27 | noted |
| S3-241849 | 23/05/2024 15:06:44 | noted |
| S3-241850 | 21/05/2024 12:43:40 | revised |
| S3-241851 | 21/05/2024 12:21:37 | revised |
| S3-241852 | 21/05/2024 12:22:35 | revised |
| S3-241853 | 21/05/2024 12:54:25 | revised |
| S3-241854 | 21/05/2024 17:11:26 | revised |
| S3-241855 | 21/05/2024 17:11:30 | revised |
| S3-241856 | 22/05/2024 06:10:14 | revised |
| S3-241857 | 23/05/2024 15:54:31 | revised |
| S3-241858 | 20/05/2024 12:22:04 | agreed |
| S3-241859 | 20/05/2024 12:25:24 | available |
| S3-241860 | 23/05/2024 10:04:56 | revised |
| S3-241861 | 21/05/2024 16:44:46 | available |
| S3-241862 | 21/05/2024 16:45:52 | revised |
| S3-241863 | 22/05/2024 12:20:40 | noted |
| S3-241864 | 23/05/2024 13:29:23 | revised |
| S3-241865 | 22/05/2024 08:02:38 | noted |
| S3-241866 | 23/05/2024 07:42:19 | available |
| S3-241867 | 21/05/2024 12:13:45 | revised |
| S3-241868 | 21/05/2024 16:51:35 | available |
| S3-241869 | 21/05/2024 13:02:17 | noted |
| S3-241870 | 21/05/2024 09:29:57 | available |
| S3-241871 | 22/05/2024 15:11:47 | noted |
| S3-241872 | 24/05/2024 12:05:33 | noted |
| S3-241873 | 21/05/2024 14:43:37 | available |
| S3-241874 | 22/05/2024 16:05:20 | revised |
| S3-241884 | 23/05/2024 09:27:52 | noted |
| S3-241885 | 20/05/2024 00:32:38 | revised |
| S3-241886 | 20/05/2024 15:20:51 | revised |
| S3-241887 | 22/05/2024 08:07:54 | noted |
| S3-241888 | 22/05/2024 07:39:15 | revised |
| S3-241889 | 22/05/2024 09:15:40 | noted |
| S3-241890 | 22/05/2024 09:34:44 | available |
| S3-241891 | 22/05/2024 16:44:38 | noted |
| S3-241892 | 21/05/2024 17:08:05 | revised |
| S3-241893 | 21/05/2024 15:13:55 | noted |
| S3-241894 | 21/05/2024 15:14:00 | noted |
| S3-241895 | 20/05/2024 00:53:57 | available |
| S3-241896 | 20/05/2024 00:55:02 | available |
| S3-241897 | 20/05/2024 15:21:11 | noted |
| S3-241898 | 20/05/2024 15:21:16 | available |
| S3-241899 | 20/05/2024 09:19:07 | available |
| S3-241900 | 20/05/2024 00:43:33 | noted |
| S3-241901 | 20/05/2024 00:42:34 | revised |
| S3-241902 | 20/05/2024 00:41:54 | revised |
| S3-241903 | 21/05/2024 09:48:08 | agreed |
| S3-241904 | 21/05/2024 09:48:46 | agreed |
| S3-241905 | 21/05/2024 09:50:18 | available |
| S3-241905 | 21/05/2024 09:51:56 | not pursued |
| S3-241905 | 24/05/2024 07:08:16 | available |
| S3-241906 | 24/05/2024 07:09:19 | available |
| S3-241907 | 21/05/2024 09:32:51 | available |
| S3-241907 | 21/05/2024 09:35:16 | not pursued |
| S3-241907 | 24/05/2024 10:30:12 | available |
| S3-241908 | 20/05/2024 12:42:00 | available |
| S3-241909 | 21/05/2024 16:53:25 | revised |
| S3-241910 | 21/05/2024 16:54:22 | revised |
| S3-241910 | 21/05/2024 16:55:11 | approved |
| S3-241911 | 21/05/2024 17:03:20 | approved |
| S3-241912 | 22/05/2024 14:35:06 | revised |
| S3-241913 | 22/05/2024 14:37:38 | revised |
| S3-241914 | 21/05/2024 15:08:21 | available |
| S3-241915 | 22/05/2024 16:44:36 | noted |
| S3-241916 | 21/05/2024 17:09:14 | revised |
| S3-241917 | 21/05/2024 17:08:11 | revised |
| S3-241918 | 22/05/2024 13:18:11 | approved |
| S3-241919 | 23/05/2024 07:44:39 | available |
| S3-241920 | 22/05/2024 10:18:11 | revised |
| S3-241921 | 21/05/2024 17:11:37 | revised |
| S3-241922 | 21/05/2024 17:07:53 | revised |
| S3-241923 | 20/05/2024 00:32:45 | available |
| S3-241924 | 23/05/2024 12:26:51 | noted |
| S3-241925 | 22/05/2024 13:06:11 | approved |
| S3-241926 | 22/05/2024 13:23:55 | revised |
| S3-241927 | 23/05/2024 13:30:07 | revised |
| S3-241928 | 22/05/2024 15:15:38 | revised |
| S3-241929 | 21/05/2024 12:27:33 | noted |
| S3-241930 | 21/05/2024 12:49:44 | revised |
| S3-241931 | 23/05/2024 07:42:21 | available |
| S3-241932 | 22/05/2024 15:17:20 | revised |
| S3-241933 | 22/05/2024 15:14:25 | approved |
| S3-241934 | 22/05/2024 15:14:59 | approved |
| S3-241935 | 22/05/2024 15:16:16 | available |
| S3-241936 | 22/05/2024 15:12:33 | revised |
| S3-241937 | 22/05/2024 15:12:59 | revised |
| S3-241938 | 22/05/2024 10:20:33 | revised |
| S3-241939 | 23/05/2024 14:22:55 | revised |
| S3-241940 | 23/05/2024 14:26:54 | revised |
| S3-241941 | 21/05/2024 16:56:24 | agreed |
| S3-241942 | 23/05/2024 15:56:58 | revised |
| S3-241943 | 23/05/2024 15:57:25 | revised |
| S3-241944 | 22/05/2024 06:34:51 | revised |
| S3-241945 | 20/05/2024 09:31:46 | revised |
| S3-241946 | 20/05/2024 09:32:56 | available |
| S3-241947 | 21/05/2024 16:29:02 | revised |
| S3-241948 | 21/05/2024 16:05:08 | agreed |
| S3-241949 | 21/05/2024 16:10:12 | revised |
| S3-241950 | 21/05/2024 14:25:30 | approved |
| S3-241951 | 23/05/2024 12:56:57 | noted |
| S3-241952 | 21/05/2024 14:26:43 | revised |
| S3-241953 | 23/05/2024 12:59:32 | noted |
| S3-241954 | 23/05/2024 15:53:22 | noted |
| S3-241955 | 22/05/2024 06:12:50 | revised |
| S3-241956 | 22/05/2024 06:16:46 | revised |
| S3-241957 | 22/05/2024 06:18:10 | revised |
| S3-241958 | 21/05/2024 16:40:15 | noted |
| S3-241959 | 24/05/2024 07:11:54 | available |
| S3-241960 | 21/05/2024 17:11:42 | revised |
| S3-241961 | 21/05/2024 17:14:23 | revised |
| S3-241962 | 22/05/2024 16:10:37 | revised |
| S3-241963 | 24/05/2024 12:29:52 | available |
| S3-241964 | 24/05/2024 12:29:56 | noted |
| S3-241965 | 20/05/2024 12:25:08 | agreed |
| S3-241965 | 20/05/2024 12:25:17 | revised |
| S3-241966 | 21/05/2024 17:00:29 | revised |
| S3-241967 | 21/05/2024 17:02:07 | revised |
| S3-241968 | 20/05/2024 08:07:45 | revised |
| S3-241969 | 21/05/2024 17:02:22 | revised |
| S3-241970 | 21/05/2024 14:23:11 | revised |
| S3-241971 | 21/05/2024 09:57:33 | available |
| S3-241972 | 23/05/2024 13:27:59 | revised |
| S3-241973 | 22/05/2024 13:07:10 | revised |
| S3-241975 | 22/05/2024 09:34:40 | available |
| S3-241976 | 22/05/2024 09:57:27 | revised |
| S3-241977 | 22/05/2024 08:31:21 | noted |
| S3-241978 | 23/05/2024 07:44:35 | available |
| S3-241979 | 21/05/2024 16:41:04 | revised |
| S3-241980 | 22/05/2024 15:26:37 | revised |
| S3-241981 | 22/05/2024 15:27:41 | revised |
| S3-241982 | 22/05/2024 15:11:07 | revised |
| S3-241983 | 22/05/2024 15:09:57 | revised |
| S3-241984 | 23/05/2024 08:00:35 | revised |
| S3-241985 | 21/05/2024 14:16:05 | revised |
| S3-241986 | 21/05/2024 14:18:55 | available |
| S3-241986 | 21/05/2024 14:19:09 | noted |
| S3-241987 | 23/05/2024 16:17:24 | noted |
| S3-241988 | 24/05/2024 07:51:53 | noted |
| S3-241989 | 22/05/2024 12:51:25 | revised |
| S3-241990 | 21/05/2024 17:02:30 | revised |
| S3-241991 | 24/05/2024 09:15:49 | noted |
| S3-241992 | 22/05/2024 15:13:17 | revised |
| S3-241993 | 23/05/2024 06:42:40 | noted |
| S3-241994 | 21/05/2024 17:02:49 | revised |
| S3-241995 | 21/05/2024 07:13:01 | available |
| S3-241996 | 21/05/2024 07:13:59 | revised |
| S3-241997 | 21/05/2024 07:28:39 | revised |
| S3-241998 | 21/05/2024 07:28:43 | revised |
| S3-241999 | 20/05/2024 12:28:48 | revised |
| S3-242000 | 22/05/2024 06:36:35 | revised |
| S3-242001 | 22/05/2024 06:50:50 | revised |
| S3-242002 | 20/05/2024 00:27:59 | available |
| S3-242003 | 21/05/2024 07:25:19 | revised |
| S3-242005 | 21/05/2024 17:08:28 | approved |
| S3-242006 | 21/05/2024 17:08:18 | approved |
| S3-242007 | 21/05/2024 17:08:14 | approved |
| S3-242008 | 22/05/2024 15:16:05 | revised |
| S3-242009 | 22/05/2024 15:14:32 | approved |
| S3-242010 | 21/05/2024 17:11:51 | revised |
| S3-242011 | 22/05/2024 16:01:20 | revised |
| S3-242012 | 24/05/2024 11:59:11 | noted |
| S3-242013 | 22/05/2024 15:09:13 | revised |
| S3-242014 | 22/05/2024 15:09:31 | revised |
| S3-242015 | 22/05/2024 15:04:56 | revised |
| S3-242016 | 23/05/2024 14:30:10 | available |
| S3-242017 | 22/05/2024 15:05:58 | revised |
| S3-242024 | 20/05/2024 13:21:35 | revised |
| S3-242025 | 21/05/2024 09:17:45 | revised |
| S3-242026 | 20/05/2024 12:32:43 | revised |
| S3-242027 | 21/05/2024 09:19:23 | revised |
| S3-242028 | 20/05/2024 12:32:46 | revised |
| S3-242029 | 21/05/2024 09:19:56 | noted |
| S3-242030 | 21/05/2024 17:10:23 | approved |
| S3-242031 | 21/05/2024 17:09:55 | revised |
| S3-242032 | 22/05/2024 16:44:39 | noted |
| S3-242033 | 21/05/2024 17:07:22 | approved |
| S3-242033 | 23/05/2024 13:13:45 | revised |
| S3-242034 | 21/05/2024 12:07:27 | available |
| S3-242035 | 21/05/2024 12:08:45 | revised |
| S3-242036 | 21/05/2024 15:14:01 | noted |
| S3-242037 | 21/05/2024 17:10:33 | noted |
| S3-242038 | 21/05/2024 17:10:29 | revised |
| S3-242039 | 20/05/2024 13:22:53 | revised |
| S3-242040 | 20/05/2024 13:24:08 | revised |
| S3-242041 | 24/05/2024 09:40:33 | revised |
| S3-242042 | 22/05/2024 12:53:16 | approved |
| S3-242042 | 23/05/2024 14:13:46 | revised |
| S3-242043 | 21/05/2024 14:23:15 | revised |
| S3-242044 | 20/05/2024 15:21:26 | available |
| S3-242045 | 21/05/2024 14:23:18 | revised |
| S3-242046 | 21/05/2024 17:04:16 | noted |
| S3-242047 | 21/05/2024 17:04:23 | noted |
| S3-242048 | 24/05/2024 07:51:36 | noted |
| S3-242049 | 21/05/2024 17:04:25 | noted |
| S3-242050 | 22/05/2024 15:09:06 | approved |
| S3-242051 | 22/05/2024 14:54:34 | approved |
| S3-242052 | 20/05/2024 08:17:45 | noted |
| S3-242053 | 22/05/2024 15:14:36 | approved |
| S3-242054 | 22/05/2024 15:14:40 | approved |
| S3-242055 | 20/05/2024 15:22:28 | noted |
| S3-242056 | 23/05/2024 15:05:27 | available |
| S3-242057 | 22/05/2024 15:15:29 | approved |
| S3-242058 | 22/05/2024 15:10:37 | revised |
| S3-242059 | 22/05/2024 13:19:51 | revised |
| S3-242060 | 21/05/2024 07:30:41 | agreed |
| S3-242061 | 24/05/2024 09:16:34 | noted |
| S3-242062 | 21/05/2024 07:30:42 | agreed |
| S3-242063 | 20/05/2024 14:06:51 | agreed |
| S3-242064 | 20/05/2024 09:32:22 | noted |
| S3-242065 | 22/05/2024 15:04:03 | approved |
| S3-242065 | 22/05/2024 15:42:50 | revised |
| S3-242066 | 23/05/2024 06:42:52 | noted |
| S3-242067 | 21/05/2024 07:33:05 | revised |
| S3-242068 | 22/05/2024 06:53:29 | revised |
| S3-242069 | 20/05/2024 14:06:52 | agreed |
| S3-242070 | 22/05/2024 06:40:02 | revised |
| S3-242071 | 22/05/2024 06:51:55 | revised |
| S3-242072 | 22/05/2024 06:24:03 | approved |
| S3-242073 | 20/05/2024 14:06:55 | agreed |
| S3-242074 | 21/05/2024 17:12:06 | revised |
| S3-242075 | 22/05/2024 16:15:01 | revised |
| S3-242076 | 20/05/2024 14:08:13 | agreed |
| S3-242077 | 20/05/2024 14:08:15 | agreed |
| S3-242078 | 20/05/2024 14:08:15 | agreed |
| S3-242079 | 20/05/2024 00:33:17 | available |
| S3-242080 | 20/05/2024 15:21:30 | available |
| S3-242081 | 22/05/2024 16:52:43 | revised |
| S3-242082 | 21/05/2024 17:08:31 | noted |
| S3-242083 | 22/05/2024 16:44:17 | noted |
| S3-242084 | 22/05/2024 16:55:06 | revised |
| S3-242085 | 22/05/2024 15:23:11 | revised |
| S3-242086 | 22/05/2024 15:24:06 | revised |
| S3-242087 | 22/05/2024 15:25:18 | revised |
| S3-242088 | 22/05/2024 15:26:46 | revised |
| S3-242089 | 20/05/2024 14:10:21 | available |
| S3-242090 | 20/05/2024 14:10:24 | available |
| S3-242091 | 20/05/2024 14:11:24 | agreed |
| S3-242092 | 22/05/2024 15:10:48 | revised |
| S3-242093 | 22/05/2024 15:24:42 | available |
| S3-242094 | 22/05/2024 15:24:48 | noted |
| S3-242095 | 23/05/2024 16:31:08 | noted |
| S3-242096 | 23/05/2024 16:31:15 | noted |
| S3-242097 | 21/05/2024 16:58:08 | available |
| S3-242098 | 20/05/2024 14:12:25 | available |
| S3-242099 | 20/05/2024 14:12:36 | available |
| S3-242100 | 20/05/2024 15:21:48 | noted |
| S3-242101 | 20/05/2024 15:21:52 | available |
| S3-242102 | 23/05/2024 16:14:34 | withdrawn |
| S3-242103 | 20/05/2024 14:33:41 | agreed |
| S3-242104 | 21/05/2024 07:12:54 | revised |
| S3-242105 | 20/05/2024 15:22:07 | available |
| S3-242106 | 22/05/2024 08:26:20 | noted |
| S3-242107 | 22/05/2024 07:48:52 | noted |
| S3-242108 | 22/05/2024 09:34:58 | available |
| S3-242109 | 22/05/2024 09:50:39 | available |
| S3-242110 | 22/05/2024 10:24:16 | noted |
| S3-242111 | 22/05/2024 08:28:10 | noted |
| S3-242112 | 22/05/2024 08:20:23 | noted |
| S3-242113 | 22/05/2024 15:28:05 | available |
| S3-242114 | 22/05/2024 13:17:50 | approved |
| S3-242115 | 22/05/2024 13:17:16 | approved |
| S3-242116 | 22/05/2024 13:11:03 | revised |
| S3-242117 | 22/05/2024 06:42:14 | revised |
| S3-242118 | 22/05/2024 06:43:18 | revised |
| S3-242119 | 23/05/2024 14:59:05 | revised |
| S3-242120 | 22/05/2024 09:10:27 | revised |
| S3-242121 | 22/05/2024 10:05:22 | revised |
| S3-242122 | 22/05/2024 10:27:22 | noted |
| S3-242123 | 20/05/2024 00:53:43 | available |
| S3-242124 | 20/05/2024 00:27:53 | available |
| S3-242125 | 21/05/2024 07:25:59 | available |
| S3-242126 | 21/05/2024 07:26:04 | available |
| S3-242127 | 21/05/2024 07:37:43 | revised |
| S3-242128 | 21/05/2024 16:58:03 | revised |
| S3-242129 | 21/05/2024 16:58:15 | revised |
| S3-242130 | 24/05/2024 07:15:42 | revised |
| S3-242131 | 21/05/2024 16:58:42 | revised |
| S3-242132 | 23/05/2024 15:31:07 | noted |
| S3-242133 | 23/05/2024 15:30:59 | noted |
| S3-242134 | 21/05/2024 17:12:18 | revised |
| S3-242135 | 24/05/2024 11:56:01 | revised |
| S3-242136 | 20/05/2024 15:22:12 | available |
| S3-242137 | 22/05/2024 12:37:15 | noted |
| S3-242138 | 22/05/2024 08:13:43 | noted |
| S3-242138 | 23/05/2024 15:01:22 | available |
| S3-242139 | 23/05/2024 07:42:22 | available |
| S3-242140 | 22/05/2024 15:27:06 | revised |
| S3-242141 | 20/05/2024 12:47:54 | revised |
| S3-242142 | 22/05/2024 15:06:19 | revised |
| S3-242142 | 23/05/2024 14:37:48 | approved |
| S3-242143 | 22/05/2024 15:03:37 | available |
| S3-242144 | 22/05/2024 15:03:28 | available |
| S3-242145 | 22/05/2024 15:06:05 | available |
| S3-242146 | 22/05/2024 13:20:28 | approved |
| S3-242147 | 21/05/2024 07:26:08 | available |
| S3-242148 | 21/05/2024 07:26:14 | available |
| S3-242149 | 21/05/2024 16:56:18 | revised |
| S3-242150 | 22/05/2024 09:34:30 | revised |
| S3-242151 | 23/05/2024 07:42:25 | available |
| S3-242152 | 23/05/2024 07:44:37 | available |
| S3-242153 | 22/05/2024 06:47:15 | revised |
| S3-242154 | 23/05/2024 16:00:10 | revised |
| S3-242155 | 22/05/2024 06:55:53 | revised |
| S3-242156 | 22/05/2024 06:56:35 | approved |
| S3-242157 | 22/05/2024 09:28:01 | noted |
| S3-242158 | 22/05/2024 09:34:37 | available |
| S3-242159 | 23/05/2024 07:42:27 | available |
| S3-242160 | 22/05/2024 15:25:32 | revised |
| S3-242161 | 22/05/2024 13:12:05 | approved |
| S3-242162 | 22/05/2024 15:24:32 | available |
| S3-242163 | 21/05/2024 13:08:43 | revised |
| S3-242164 | 21/05/2024 13:05:51 | revised |
| S3-242165 | 22/05/2024 15:08:25 | available |
| S3-242166 | 24/05/2024 12:05:02 | available |
| S3-242167 | 21/05/2024 17:00:46 | approved |
| S3-242168 | 21/05/2024 17:01:04 | revised |
| S3-242169 | 21/05/2024 17:01:34 | revised |
| S3-242170 | 21/05/2024 16:45:05 | noted |
| S3-242171 | 22/05/2024 15:27:19 | revised |
| S3-242172 | 21/05/2024 16:44:39 | revised |
| S3-242173 | 23/05/2024 07:52:44 | revised |
| S3-242174 | 21/05/2024 16:45:58 | available |
| S3-242175 | 22/05/2024 14:51:16 | revised |
| S3-242176 | 22/05/2024 15:12:48 | revised |
| S3-242177 | 22/05/2024 13:13:43 | revised |
| S3-242178 | 21/05/2024 17:01:40 | approved |
| S3-242179 | 21/05/2024 17:01:49 | revised |
| S3-242180 | 20/05/2024 12:51:46 | noted |
| S3-242181 | 23/05/2024 09:12:56 | noted |
| S3-242182 | 22/05/2024 12:32:41 | noted |
| S3-242183 | 22/05/2024 13:16:16 | available |
| S3-242184 | 22/05/2024 15:25:48 | revised |
| S3-242185 | 20/05/2024 00:49:11 | available |
| S3-242185 | 20/05/2024 00:49:21 | replied to |
| S3-242186 | 21/05/2024 16:46:13 | revised |
| S3-242187 | 20/05/2024 12:58:00 | revised |
| S3-242188 | 24/05/2024 10:30:22 | available |
| S3-242189 | 20/05/2024 14:15:39 | revised |
| S3-242190 | 20/05/2024 12:58:52 | revised |
| S3-242191 | 20/05/2024 08:01:19 | revised |
| S3-242192 | 20/05/2024 09:19:00 | available |
| S3-242193 | 22/05/2024 09:31:01 | noted |
| S3-242194 | 21/05/2024 17:00:08 | available |
| S3-242195 | 21/05/2024 16:59:09 | revised |
| S3-242196 | 22/05/2024 14:18:50 | revised |
| S3-242197 | 22/05/2024 14:21:04 | revised |
| S3-242198 | 24/05/2024 09:30:18 | noted |
| S3-242199 | 22/05/2024 10:30:38 | noted |
| S3-242200 | 22/05/2024 08:16:13 | noted |
| S3-242201 | 24/05/2024 09:33:53 | noted |
| S3-242202 | 21/05/2024 14:43:31 | revised |
| S3-242203 | 21/05/2024 15:08:27 | available |
| S3-242204 | 20/05/2024 08:25:06 | available |
| S3-242205 | 22/05/2024 15:08:39 | available |
| S3-242206 | 24/05/2024 10:00:01 | available |
| S3-242207 | 20/05/2024 12:41:24 | revised |
| S3-242208 | 24/05/2024 10:21:21 | available |
| S3-242209 | 22/05/2024 15:23:27 | noted |
| S3-242210 | 22/05/2024 15:23:41 | available |
| S3-242211 | 22/05/2024 15:14:27 | approved |
| S3-242214 | 21/05/2024 16:46:24 | revised |
| S3-242216 | 21/05/2024 16:38:55 | revised |
| S3-242217 | 21/05/2024 17:00:18 | revised |
| S3-242218 | 21/05/2024 17:01:54 | revised |
| S3-242219 | 21/05/2024 17:03:35 | revised |
| S3-242220 | 21/05/2024 17:00:02 | revised |
| S3-242221 | 20/05/2024 09:31:11 | revised |
| S3-242222 | 20/05/2024 09:32:03 | available |
| S3-242224 | 21/05/2024 16:49:29 | available |
| S3-242224 | 21/05/2024 16:50:11 | merged |
| S3-242224 | 24/05/2024 09:53:27 | available |
| S3-242225 | 24/05/2024 09:53:30 | available |
| S3-242226 | 20/05/2024 12:49:28 | agreed |
| S3-242227 | 20/05/2024 12:32:54 | revised |
| S3-242227 | 20/05/2024 12:34:07 | agreed |
| S3-242228 | 20/05/2024 12:34:27 | agreed |
| S3-242229 | 20/05/2024 10:28:58 | agreed |
| S3-242230 | 20/05/2024 10:29:00 | agreed |
| S3-242231 | 21/05/2024 09:14:25 | revised |
| S3-242232 | 21/05/2024 17:14:00 | revised |
| S3-242233 | 22/05/2024 16:02:08 | approved |
| S3-242233 | 22/05/2024 16:03:11 | revised |
| S3-242235 | 24/05/2024 07:30:13 | available |
| S3-242236 | 24/05/2024 07:31:34 | available |
| S3-242237 | 24/05/2024 07:32:06 | available |
| S3-242238 | 21/05/2024 16:11:58 | available |
| S3-242239 | 21/05/2024 16:27:12 | revised |
| S3-242240 | 21/05/2024 16:29:19 | available |
| S3-242241 | 22/05/2024 07:57:53 | noted |
| S3-242242 | 21/05/2024 17:01:59 | approved |
| S3-242243 | 22/05/2024 07:09:17 | noted |
| S3-242244 | 21/05/2024 07:38:35 | available |
| S3-242244 | 21/05/2024 07:38:55 | merged |
| S3-242244 | 22/05/2024 16:50:59 | available |
| S3-242246 | 23/05/2024 14:07:09 | revised |
| S3-242247 | 22/05/2024 16:48:57 | revised |
| S3-242248 | 21/05/2024 16:58:22 | available |
| S3-242249 | 21/05/2024 17:14:05 | revised |
| S3-242250 | 23/05/2024 07:44:34 | available |
| S3-242251 | 22/05/2024 10:09:01 | revised |
| S3-242252 | 22/05/2024 15:11:23 | noted |
| S3-242253 | 22/05/2024 07:29:18 | noted |
| S3-242254 | 20/05/2024 09:18:44 | revised |
| S3-242255 | 22/05/2024 15:16:22 | available |
| S3-242256 | 22/05/2024 14:09:15 | noted |
| S3-242257 | 24/05/2024 09:21:59 | noted |
| S3-242258 | 20/05/2024 08:31:26 | revised |
| S3-242259 | 20/05/2024 12:50:46 | agreed |
| S3-242260 | 24/05/2024 11:38:13 | noted |
| S3-242261 | 21/05/2024 17:02:54 | revised |
| S3-242262 | 23/05/2024 12:49:57 | noted |
| S3-242262 | 23/05/2024 14:05:36 | revised |
| S3-242263 | 22/05/2024 14:43:54 | noted |
| S3-242264 | 22/05/2024 14:46:12 | revised |
| S3-242264 | 24/05/2024 11:39:13 | noted |
| S3-242264 | 24/05/2024 11:41:03 | revised |
| S3-242265 | 22/05/2024 14:39:45 | noted |
| S3-242266 | 21/05/2024 17:06:09 | approved |
| S3-242267 | 22/05/2024 16:44:45 | noted |
| S3-242268 | 22/05/2024 13:21:28 | revised |
| S3-242269 | 23/05/2024 14:17:56 | revised |
| S3-242270 | 22/05/2024 13:16:08 | revised |
| S3-242271 | 23/05/2024 14:28:13 | revised |
| S3-242272 | 23/05/2024 14:18:38 | revised |
| S3-242273 | 22/05/2024 13:22:59 | approved |
| S3-242274 | 22/05/2024 13:28:53 | approved |
| S3-242275 | 23/05/2024 14:19:24 | revised |
| S3-242276 | 23/05/2024 16:28:21 | noted |
| S3-242277 | 21/05/2024 17:14:10 | revised |
| S3-242278 | 22/05/2024 15:01:46 | approved |
| S3-242278 | 22/05/2024 15:40:51 | revised |
| S3-242279 | 22/05/2024 15:04:14 | revised |
| S3-242280 | 22/05/2024 15:04:46 | approved |
| S3-242280 | 22/05/2024 15:43:40 | revised |
| S3-242281 | 22/05/2024 15:03:02 | approved |
| S3-242282 | 21/05/2024 13:12:25 | revised |
| S3-242283 | 23/05/2024 07:53:06 | revised |
| S3-242284 | 24/05/2024 07:43:17 | available |
| S3-242285 | 20/05/2024 00:50:02 | noted |
| S3-242286 | 20/05/2024 00:49:03 | available |
| S3-242287 | 24/05/2024 09:36:14 | revised |
| S3-242288 | 20/05/2024 15:32:16 | revised |
| S3-242289 | 20/05/2024 12:50:46 | agreed |
| S3-242290 | 23/05/2024 07:42:01 | available |
| S3-242291 | 22/05/2024 13:29:29 | approved |
| S3-242292 | 24/05/2024 10:30:31 | available |
| S3-242293 | 22/05/2024 13:21:31 | available |
| S3-242294 | 20/05/2024 00:53:35 | revised |
| S3-242295 | 20/05/2024 00:54:27 | revised |
| S3-242296 | 21/05/2024 12:25:19 | available |
| S3-242297 | 21/05/2024 12:51:10 | revised |
| S3-242298 | 21/05/2024 13:03:59 | approved |
| S3-242299 | 21/05/2024 13:26:27 | revised |
| S3-242300 | 22/05/2024 13:02:34 | noted |
| S3-242301 | 23/05/2024 16:20:59 | revised |
| S3-242302 | 20/05/2024 00:48:47 | revised |
| S3-242303 | 22/05/2024 13:03:48 | noted |
| S3-242304 | 22/05/2024 15:01:49 | approved |
| S3-242304 | 22/05/2024 15:02:19 | revised |
| S3-242305 | 22/05/2024 15:04:29 | revised |
| S3-242306 | 20/05/2024 15:22:21 | available |
| S3-242307 | 20/05/2024 14:36:30 | noted |
| S3-242308 | 21/05/2024 14:34:16 | revised |
| S3-242309 | 22/05/2024 15:26:05 | revised |
| S3-242310 | 22/05/2024 15:28:00 | revised |
| S3-242311 | 22/05/2024 15:26:15 | revised |
| S3-242312 | 24/05/2024 12:03:01 | revised |
| S3-242313 | 22/05/2024 16:44:47 | noted |
| S3-242314 | 21/05/2024 17:09:21 | available |
| S3-242315 | 20/05/2024 08:24:50 | revised |
| S3-242316 | 22/05/2024 15:13:39 | available |
| S3-242317 | 22/05/2024 15:10:13 | revised |
| S3-242318 | 22/05/2024 15:11:56 | noted |
| S3-242319 | 23/05/2024 16:22:14 | revised |
| S3-242320 | 21/05/2024 17:02:40 | revised |
| S3-242321 | 21/05/2024 17:03:02 | revised |
| S3-242322 | 21/05/2024 17:21:09 | revised |
| S3-242323 | 21/05/2024 06:54:08 | available |
| S3-242324 | 23/05/2024 10:23:37 | revised |
| S3-242325 | 24/05/2024 10:21:41 | available |
| S3-242326 | 23/05/2024 08:00:59 | revised |
| S3-242327 | 24/05/2024 12:25:42 | noted |
| S3-242328 | 23/05/2024 08:01:02 | revised |
| S3-242329 | 24/05/2024 12:25:45 | noted |
| S3-242330 | 23/05/2024 08:01:06 | revised |
| S3-242331 | 21/05/2024 13:19:53 | withdrawn |
| S3-242332 | 21/05/2024 13:19:54 | withdrawn |
| S3-242333 | 21/05/2024 07:40:06 | withdrawn |
| S3-242334 | 21/05/2024 07:40:07 | withdrawn |
| S3-242335 | 21/05/2024 07:40:08 | withdrawn |
| S3-242336 | 24/05/2024 08:14:06 | withdrawn |
| S3-242337 | 21/05/2024 07:25:24 | revised |
| S3-242338 | 21/05/2024 06:54:13 | available |
| S3-242339 | 23/05/2024 10:26:59 | revised |
| S3-242340 | 23/05/2024 07:42:07 | available |
| S3-242341 | 21/05/2024 07:40:09 | withdrawn |
| S3-242342 | 21/05/2024 07:40:10 | withdrawn |
| S3-242343 | 21/05/2024 07:40:12 | withdrawn |
| S3-242344 | 21/05/2024 07:40:13 | withdrawn |
| S3-242345 | 21/05/2024 07:35:16 | revised |
| S3-242346 | 21/05/2024 13:19:16 | revised |
| S3-242347 | 21/05/2024 13:22:54 | revised |
| S3-242348 | 21/05/2024 07:24:20 | noted |
| S3-242349 | 21/05/2024 07:26:42 | available |
| S3-242350 | 21/05/2024 07:26:51 | available |
| S3-242351 | 20/05/2024 00:27:42 | revised |
| S3-242352 | 21/05/2024 07:39:22 | available |
| S3-242353 | 21/05/2024 07:39:25 | available |
| S3-242354 | 21/05/2024 07:35:47 | revised |
| S3-242355 | 23/05/2024 09:39:04 | available |
| S3-242356 | 22/05/2024 16:13:16 | revised |
| S3-242356 | 23/05/2024 15:29:12 | noted |
| S3-242357 | 21/05/2024 13:00:54 | revised |
| S3-242358 | 23/05/2024 07:09:10 | noted |
| S3-242359 | 22/05/2024 16:22:08 | revised |
| S3-242360 | 24/05/2024 08:15:07 | withdrawn |
| S3-242361 | 22/05/2024 08:16:45 | noted |
| S3-242362 | 23/05/2024 10:27:51 | revised |
| S3-242363 | 20/05/2024 10:06:14 | postponed |
| S3-242364 | 20/05/2024 10:10:46 | postponed |
| S3-242365 | 20/05/2024 00:17:24 | noted |
| S3-242366 | 23/05/2024 07:48:54 | approved |
| S3-242367 | 23/05/2024 07:50:51 | approved |
| S3-242368 | 23/05/2024 07:56:27 | agreed |
| S3-242369 | 23/05/2024 07:56:26 | approved |
| S3-242370 | 24/05/2024 12:14:00 | noted |
| S3-242371 | 24/05/2024 07:45:57 | noted |
| S3-242372 | 24/05/2024 07:46:02 | reserved |
| S3-242373 | 23/05/2024 08:04:57 | approved |
| S3-242374 | 24/05/2024 07:48:15 | approved |
| S3-242375 | 24/05/2024 07:55:17 | approved |
| S3-242376 | 23/05/2024 09:14:40 | approved |
| S3-242377 | 24/05/2024 07:57:54 | approved |
| S3-242378 | 24/05/2024 07:58:36 | approved |
| S3-242379 | 23/05/2024 09:29:16 | approved |
| S3-242380 | 24/05/2024 09:57:21 | reserved |
| S3-242381 | 23/05/2024 09:35:56 | agreed |
| S3-242382 | 23/05/2024 09:35:58 | agreed |
| S3-242383 | 23/05/2024 09:40:10 | agreed |
| S3-242384 | 24/05/2024 09:59:39 | agreed |
| S3-242385 | 20/05/2024 12:25:28 | agreed |
| S3-242386 | 23/05/2024 09:43:19 | agreed |
| S3-242387 | 22/05/2024 15:22:25 | agreed |
| S3-242388 | 22/05/2024 15:22:29 | agreed |
| S3-242389 | 20/05/2024 12:42:02 | agreed |
| S3-242390 | 23/05/2024 09:48:36 | agreed |
| S3-242391 | 24/05/2024 10:00:40 | agreed |
| S3-242392 | 24/05/2024 10:00:49 | agreed |
| S3-242393 | 23/05/2024 09:55:37 | approved |
| S3-242394 | 23/05/2024 09:55:38 | approved |
| S3-242395 | 20/05/2024 13:21:54 | agreed |
| S3-242396 | 20/05/2024 13:22:54 | agreed |
| S3-242397 | 20/05/2024 13:24:10 | agreed |
| S3-242398 | 24/05/2024 09:50:12 | agreed |
| S3-242399 | 24/05/2024 09:32:44 | noted |
| S3-242400 | 24/05/2024 07:59:56 | approved |
| S3-242401 | 24/05/2024 09:10:14 | agreed |
| S3-242402 | 24/05/2024 10:12:39 | approved |
| S3-242403 | 23/05/2024 07:47:01 | agreed |
| S3-242404 | 23/05/2024 07:47:03 | approved |
| S3-242405 | 23/05/2024 10:09:04 | withdrawn |
| S3-242406 | 23/05/2024 10:09:21 | withdrawn |
| S3-242407 | 23/05/2024 10:09:37 | withdrawn |
| S3-242408 | 23/05/2024 10:09:46 | withdrawn |
| S3-242409 | 23/05/2024 10:10:22 | agreed |
| S3-242410 | 21/05/2024 07:35:21 | agreed |
| S3-242411 | 21/05/2024 07:35:48 | agreed |
| S3-242412 | 23/05/2024 10:11:51 | agreed |
| S3-242413 | 24/05/2024 10:14:46 | approved |
| S3-242414 | 24/05/2024 10:15:14 | noted |
| S3-242415 | 23/05/2024 14:06:41 | approved |
| S3-242416 | 24/05/2024 10:15:42 | approved |
| S3-242417 | 24/05/2024 10:16:01 | approved |
| S3-242418 | 23/05/2024 12:14:58 | approved |
| S3-242419 | 24/05/2024 12:09:20 | reserved |
| S3-242420 | 23/05/2024 12:15:58 | approved |
| S3-242421 | 23/05/2024 12:16:24 | approved |
| S3-242422 | 24/05/2024 10:31:15 | approved |
| S3-242423 | 23/05/2024 12:18:59 | approved |
| S3-242424 | 23/05/2024 12:21:24 | approved |
| S3-242425 | 23/05/2024 12:22:13 | approved |
| S3-242426 | 24/05/2024 10:31:40 | approved |
| S3-242427 | 24/05/2024 10:32:22 | approved |
| S3-242428 | 24/05/2024 10:32:42 | approved |
| S3-242429 | 23/05/2024 12:25:27 | noted |
| S3-242430 | 21/05/2024 13:01:03 | approved |
| S3-242431 | 21/05/2024 13:19:54 | withdrawn |
| S3-242431 | 24/05/2024 11:35:26 | reserved |
| S3-242432 | 23/05/2024 12:28:05 | approved |
| S3-242433 | 24/05/2024 07:11:21 | agreed |
| S3-242434 | 24/05/2024 11:33:23 | approved |
| S3-242435 | 24/05/2024 11:34:06 | approved |
| S3-242436 | 24/05/2024 11:34:53 | approved |
| S3-242437 | 24/05/2024 11:35:13 | approved |
| S3-242438 | 24/05/2024 11:34:22 | approved |
| S3-242439 | 24/05/2024 11:42:45 | approved |
| S3-242440 | 24/05/2024 11:45:32 | reserved |
| S3-242441 | 23/05/2024 13:01:55 | noted |
| S3-242441 | 24/05/2024 11:43:06 | approved |
| S3-242441 | 24/05/2024 11:44:53 | noted |
| S3-242442 | 23/05/2024 09:57:10 | agreed |
| S3-242443 | 23/05/2024 09:57:16 | agreed |
| S3-242444 | 23/05/2024 09:57:18 | agreed |
| S3-242445 | 24/05/2024 11:45:19 | approved |
| S3-242446 | 24/05/2024 11:45:30 | approved |
| S3-242447 | 21/05/2024 14:36:12 | approved |
| S3-242448 | 24/05/2024 11:46:08 | reserved |
| S3-242449 | 23/05/2024 13:08:07 | noted |
| S3-242450 | 24/05/2024 11:46:05 | approved |
| S3-242451 | 24/05/2024 07:29:24 | agreed |
| S3-242452 | 24/05/2024 07:36:39 | agreed |
| S3-242453 | 24/05/2024 12:17:09 | approved |
| S3-242454 | 24/05/2024 07:37:33 | approved |
| S3-242455 | 24/05/2024 07:10:10 | agreed |
| S3-242456 | 24/05/2024 07:17:00 | agreed |
| S3-242457 | 24/05/2024 07:18:10 | agreed |
| S3-242458 | 24/05/2024 09:56:15 | agreed |
| S3-242459 | 24/05/2024 07:20:48 | reserved |
| S3-242460 | 24/05/2024 07:21:18 | approved |
| S3-242460 | 24/05/2024 10:19:07 | revised |
| S3-242460 | 24/05/2024 10:19:12 | approved |
| S3-242461 | 24/05/2024 09:51:50 | agreed |
| S3-242462 | 24/05/2024 09:52:25 | agreed |
| S3-242463 | 21/05/2024 16:53:30 | agreed |
| S3-242464 | 24/05/2024 07:24:24 | approved |
| S3-242465 | 24/05/2024 07:12:42 | agreed |
| S3-242466 | 24/05/2024 07:14:28 | reserved |
| S3-242466 | 24/05/2024 07:38:07 | not pursued |
| S3-242466 | 24/05/2024 07:38:25 | reserved |
| S3-242467 | 24/05/2024 07:14:59 | agreed |
| S3-242468 | 24/05/2024 07:16:26 | agreed |
| S3-242469 | 23/05/2024 12:56:10 | approved |
| S3-242470 | 24/05/2024 11:35:58 | approved |
| S3-242471 | 23/05/2024 12:35:48 | approved |
| S3-242472 | 23/05/2024 12:36:23 | approved |
| S3-242473 | 23/05/2024 12:37:19 | approved |
| S3-242474 | 23/05/2024 12:37:59 | approved |
| S3-242475 | 23/05/2024 12:38:34 | approved |
| S3-242476 | 23/05/2024 12:39:02 | approved |
| S3-242477 | 23/05/2024 12:39:47 | approved |
| S3-242478 | 23/05/2024 12:40:09 | approved |
| S3-242479 | 23/05/2024 12:41:15 | approved |
| S3-242480 | 24/05/2024 11:36:27 | approved |
| S3-242481 | 23/05/2024 12:43:31 | approved |
| S3-242482 | 24/05/2024 11:36:52 | approved |
| S3-242483 | 24/05/2024 11:37:11 | approved |
| S3-242484 | 23/05/2024 12:47:26 | approved |
| S3-242485 | 23/05/2024 13:10:14 | approved |
| S3-242486 | 24/05/2024 11:46:35 | approved |
| S3-242487 | 23/05/2024 13:12:16 | approved |
| S3-242488 | 23/05/2024 13:15:59 | approved |
| S3-242489 | 23/05/2024 13:16:39 | approved |
| S3-242490 | 23/05/2024 13:18:35 | withdrawn |
| S3-242491 | 23/05/2024 13:19:36 | approved |
| S3-242492 | 23/05/2024 13:20:09 | approved |
| S3-242493 | 23/05/2024 13:23:19 | approved |
| S3-242494 | 23/05/2024 13:25:01 | approved |
| S3-242495 | 23/05/2024 15:14:24 | approved |
| S3-242496 | 24/05/2024 11:55:22 | approved |
| S3-242497 | 23/05/2024 15:15:30 | approved |
| S3-242498 | 23/05/2024 15:15:54 | approved |
| S3-242499 | 23/05/2024 15:16:24 | approved |
| S3-242500 | 23/05/2024 15:16:59 | approved |
| S3-242501 | 23/05/2024 15:17:22 | approved |
| S3-242502 | 23/05/2024 15:17:56 | approved |
| S3-242503 | 23/05/2024 15:18:21 | approved |
| S3-242504 | 23/05/2024 15:19:44 | approved |
| S3-242505 | 23/05/2024 15:20:14 | approved |
| S3-242506 | 24/05/2024 11:56:37 | approved |
| S3-242507 | 24/05/2024 11:56:55 | approved |
| S3-242508 | 24/05/2024 11:57:25 | approved |
| S3-242509 | 24/05/2024 11:57:26 | approved |
| S3-242510 | 24/05/2024 11:39:20 | reserved |
| S3-242511 | 24/05/2024 11:47:12 | reserved |
| S3-242512 | 23/05/2024 09:25:35 | noted |
| S3-242513 | 23/05/2024 13:21:07 | approved |
| S3-242514 | 23/05/2024 12:59:04 | noted |
| S3-242515 | 24/05/2024 11:59:14 | reserved |
| S3-242516 | 23/05/2024 15:51:36 | approved |
| S3-242517 | 24/05/2024 11:42:08 | reserved |
| S3-242518 | 23/05/2024 15:52:16 | approved |
| S3-242519 | 23/05/2024 15:52:40 | approved |
| S3-242520 | 23/05/2024 15:53:04 | approved |
| S3-242521 | 24/05/2024 12:00:44 | reserved |
| S3-242522 | 23/05/2024 15:56:28 | approved |
| S3-242523 | 23/05/2024 15:58:09 | approved |
| S3-242524 | 24/05/2024 12:00:38 | approved |
| S3-242525 | 23/05/2024 15:59:00 | approved |
| S3-242526 | 23/05/2024 15:59:18 | approved |
| S3-242527 | 23/05/2024 15:59:39 | approved |
| S3-242528 | 23/05/2024 16:00:34 | approved |
| S3-242529 | 22/05/2024 06:52:11 | approved |
| S3-242530 | 23/05/2024 16:01:15 | approved |
| S3-242531 | 24/05/2024 10:20:23 | reserved |
| S3-242532 | 23/05/2024 16:01:42 | approved |
| S3-242533 | 23/05/2024 14:42:27 | noted |
| S3-242534 | 23/05/2024 15:06:09 | approved |
| S3-242535 | 22/05/2024 09:46:27 | approved |
| S3-242536 | 24/05/2024 11:54:47 | reserved |
| S3-242537 | 24/05/2024 11:54:39 | noted |
| S3-242538 | 23/05/2024 15:10:38 | noted |
| S3-242539 | 23/05/2024 15:11:16 | approved |
| S3-242540 | 23/05/2024 15:12:00 | approved |
| S3-242541 | 23/05/2024 15:12:24 | approved |
| S3-242542 | 23/05/2024 13:26:57 | approved |
| S3-242543 | 23/05/2024 14:13:08 | approved |
| S3-242544 | 24/05/2024 11:49:12 | reserved |
| S3-242545 | 22/05/2024 13:07:23 | approved |
| S3-242546 | 23/05/2024 14:21:03 | approved |
| S3-242547 | 23/05/2024 14:21:51 | approved |
| S3-242548 | 23/05/2024 14:22:18 | approved |
| S3-242549 | 24/05/2024 11:48:54 | approved |
| S3-242550 | 23/05/2024 14:25:00 | approved |
| S3-242551 | 22/05/2024 13:24:15 | approved |
| S3-242552 | 23/05/2024 14:25:29 | approved |
| S3-242553 | 23/05/2024 14:25:48 | approved |
| S3-242554 | 24/05/2024 11:37:40 | approved |
| S3-242555 | 24/05/2024 11:37:52 | approved |
| S3-242556 | 23/05/2024 12:51:23 | approved |
| S3-242557 | 23/05/2024 12:51:42 | approved |
| S3-242558 | 23/05/2024 12:54:14 | approved |
| S3-242559 | 22/05/2024 15:02:30 | approved |
| S3-242560 | 23/05/2024 14:31:54 | approved |
| S3-242561 | 22/05/2024 15:04:18 | approved |
| S3-242562 | 23/05/2024 14:33:15 | approved |
| S3-242562 | 23/05/2024 14:34:02 | noted |
| S3-242563 | 23/05/2024 14:34:52 | approved |
| S3-242564 | 23/05/2024 14:35:34 | noted |
| S3-242564 | 24/05/2024 17:14:45 | withdrawn |
| S3-242565 | 23/05/2024 14:38:32 | noted |
| S3-242566 | 23/05/2024 14:36:46 | withdrawn |
| S3-242567 | 24/05/2024 12:04:10 | approved |
| S3-242568 | 22/05/2024 15:09:23 | approved |
| S3-242569 | 22/05/2024 15:09:36 | approved |
| S3-242570 | 23/05/2024 16:18:14 | approved |
| S3-242571 | 23/05/2024 16:18:55 | approved |
| S3-242572 | 23/05/2024 16:19:25 | approved |
| S3-242573 | 23/05/2024 16:19:56 | approved |
| S3-242574 | 23/05/2024 16:20:33 | approved |
| S3-242575 | 23/05/2024 16:21:42 | approved |
| S3-242576 | 23/05/2024 16:24:56 | approved |
| S3-242577 | 24/05/2024 12:06:10 | approved |
| S3-242578 | 24/05/2024 12:06:28 | approved |
| S3-242579 | 23/05/2024 16:27:18 | approved |
| S3-242580 | 22/05/2024 15:15:23 | approved |
| S3-242581 | 23/05/2024 16:28:55 | approved |
| S3-242582 | 23/05/2024 16:30:17 | approved |
| S3-242583 | 23/05/2024 16:30:42 | approved |
| S3-242584 | 23/05/2024 16:02:27 | approved |
| S3-242585 | 23/05/2024 16:02:56 | approved |
| S3-242586 | 24/05/2024 12:01:22 | approved |
| S3-242587 | 24/05/2024 12:01:23 | approved |
| S3-242588 | 23/05/2024 16:07:12 | approved |
| S3-242589 | 23/05/2024 16:07:45 | approved |
| S3-242590 | 24/05/2024 12:01:52 | approved |
| S3-242591 | 24/05/2024 12:01:54 | approved |
| S3-242592 | 23/05/2024 16:09:12 | approved |
| S3-242593 | 23/05/2024 16:10:56 | approved |
| S3-242594 | 23/05/2024 16:11:52 | approved |
| S3-242595 | 23/05/2024 16:12:19 | approved |
| S3-242596 | 23/05/2024 16:13:24 | approved |
| S3-242597 | 24/05/2024 12:03:26 | approved |
| S3-242598 | 22/05/2024 15:40:24 | approved |
| S3-242599 | 22/05/2024 15:40:53 | approved |
| S3-242600 | 22/05/2024 15:42:52 | approved |
| S3-242601 | 22/05/2024 15:43:47 | approved |
| S3-242602 | 24/05/2024 11:49:25 | reserved |
| S3-242603 | 24/05/2024 08:11:14 | noted |
| S3-242604 | 24/05/2024 12:05:06 | reserved |
| S3-242605 | 24/05/2024 12:05:36 | reserved |
| S3-242606 | 24/05/2024 12:06:32 | reserved |
| S3-242607 | 24/05/2024 12:06:40 | reserved |
| S3-242608 | 24/05/2024 12:06:46 | reserved |
| S3-242609 | 24/05/2024 12:03:29 | reserved |
| S3-242610 | 22/05/2024 16:01:33 | approved |
| S3-242611 | 22/05/2024 16:03:23 | approved |
| S3-242612 | 23/05/2024 15:26:57 | approved |
| S3-242613 | 24/05/2024 11:58:35 | approved |
| S3-242614 | 23/05/2024 15:27:56 | approved |
| S3-242615 | 23/05/2024 15:29:41 | approved |
| S3-242616 | 23/05/2024 10:11:09 | agreed |
| S3-242617 | 22/05/2024 16:53:40 | revised |
| S3-242617 | 23/05/2024 09:46:02 | agreed |
| S3-242618 | 23/05/2024 09:46:04 | agreed |
| S3-242619 | 24/05/2024 11:48:27 | approved |
| S3-242620 | 24/05/2024 12:15:17 | approved |
| S3-242621 | 24/05/2024 07:40:23 | agreed |
| S3-242622 | 23/05/2024 16:17:13 | noted |
| S3-242623 | 24/05/2024 12:24:30 | noted |
| S3-242624 | 24/05/2024 12:25:44 | noted |
| S3-242625 | 24/05/2024 12:25:50 | noted |
| S3-242626 | 24/05/2024 08:15:00 | withdrawn |
| S3-242627 | 23/05/2024 14:20:24 | approved |
| S3-242628 | 23/05/2024 09:37:20 | agreed |
| S3-242629 | 23/05/2024 09:37:21 | agreed |
| S3-242630 | 23/05/2024 10:05:52 | agreed |
| S3-242631 | 24/05/2024 10:11:54 | approved |
| S3-242632 | 24/05/2024 10:12:12 | approved |
| S3-242633 | 23/05/2024 10:27:57 | approved |
| S3-242634 | 24/05/2024 10:16:27 | approved |
| S3-242635 | 23/05/2024 12:46:05 | approved |
| S3-242636 | 23/05/2024 13:14:50 | approved |
| S3-242637 | 23/05/2024 13:28:18 | approved |
| S3-242638 | 23/05/2024 13:29:25 | approved |
| S3-242639 | 23/05/2024 13:30:18 | approved |
| S3-242640 | 24/05/2024 11:38:38 | noted |
| S3-242641 | 24/05/2024 09:54:23 | agreed |
| S3-242642 | 23/05/2024 14:13:47 | approved |
| S3-242643 | 23/05/2024 14:17:57 | approved |
| S3-242644 | 23/05/2024 14:18:39 | approved |
| S3-242645 | 23/05/2024 14:19:25 | approved |
| S3-242646 | 23/05/2024 14:22:56 | approved |
| S3-242647 | 23/05/2024 14:26:59 | approved |
| S3-242648 | 23/05/2024 14:28:17 | approved |
| S3-242649 | 23/05/2024 15:01:01 | approved |
| S3-242650 | 23/05/2024 15:54:34 | approved |
| S3-242651 | 23/05/2024 15:57:04 | approved |
| S3-242652 | 23/05/2024 15:57:27 | approved |
| S3-242653 | 23/05/2024 16:00:11 | approved |
| S3-242654 | 23/05/2024 16:21:05 | approved |
| S3-242655 | 23/05/2024 16:22:16 | approved |
| S3-242656 | 24/05/2024 07:07:18 | agreed |
| S3-242657 | 24/05/2024 07:15:44 | agreed |
| S3-242658 | 24/05/2024 09:11:03 | reserved |
| S3-242659 | 24/05/2024 09:14:26 | agreed |
| S3-242660 | 24/05/2024 09:36:23 | agreed |
| S3-242661 | 24/05/2024 12:04:46 | approved |
| S3-242662 | 24/05/2024 10:04:54 | approved |
| S3-242663 | 24/05/2024 10:11:14 | approved |
| S3-242664 | 24/05/2024 10:17:22 | reserved |
| S3-242665 | 24/05/2024 10:17:34 | reserved |
| S3-242666 | 24/05/2024 12:19:16 | agreed |
| S3-242667 | 24/05/2024 11:41:14 | approved |
| S3-242668 | 24/05/2024 11:56:02 | approved |
| S3-242669 | 24/05/2024 12:03:03 | approved |
| S3-242670 | 24/05/2024 12:33:54 | reserved |
| S3-242700 | 19/08/2024 07:14:11 | approved |
| S3-242701 | 19/08/2024 07:17:16 | approved |
| S3-242702 | 19/08/2024 07:15:37 | noted |
| S3-242703 | 19/08/2024 07:15:01 | revised |
| S3-242704 | 23/08/2024 11:29:57 | noted |
| S3-242705 | 19/08/2024 07:23:06 | noted |
| S3-242706 | 19/08/2024 07:42:35 | available |
| S3-242707 | 19/08/2024 09:52:04 | noted |
| S3-242708 | 19/08/2024 09:52:15 | noted |
| S3-242709 | 19/08/2024 09:52:30 | noted |
| S3-242710 | 21/08/2024 14:43:38 | available |
| S3-242711 | 19/08/2024 09:51:56 | noted |
| S3-242712 | 19/08/2024 09:10:25 | noted |
| S3-242713 | 19/08/2024 09:05:25 | noted |
| S3-242714 | 19/08/2024 09:06:16 | noted |
| S3-242715 | 19/08/2024 09:06:46 | noted |
| S3-242716 | 22/08/2024 08:25:31 | noted |
| S3-242717 | 19/08/2024 09:18:21 | noted |
| S3-242718 | 21/08/2024 16:11:47 | noted |
| S3-242719 | 23/08/2024 07:59:16 | noted |
| S3-242720 | 19/08/2024 09:51:37 | noted |
| S3-242721 | 21/08/2024 06:15:09 | available |
| S3-242721 | 22/08/2024 16:12:48 | postponed |
| S3-242722 | 19/08/2024 09:52:48 | noted |
| S3-242723 | 20/08/2024 14:05:08 | noted |
| S3-242724 | 20/08/2024 17:08:45 | available |
| S3-242725 | 22/08/2024 08:27:43 | available |
| S3-242726 | 19/08/2024 09:53:00 | noted |
| S3-242727 | 19/08/2024 08:09:23 | replied to |
| S3-242727 | 23/08/2024 08:03:33 | postponed |
| S3-242728 | 19/08/2024 09:50:48 | noted |
| S3-242729 | 19/08/2024 09:51:07 | noted |
| S3-242730 | 19/08/2024 08:11:14 | available |
| S3-242730 | 22/08/2024 16:27:34 | postponed |
| S3-242731 | 19/08/2024 09:51:27 | noted |
| S3-242732 | 19/08/2024 07:54:14 | available |
| S3-242732 | 19/08/2024 07:56:08 | replied to |
| S3-242732 | 21/08/2024 16:11:55 | noted |
| S3-242733 | 19/08/2024 07:41:26 | available |
| S3-242733 | 30/08/2024 07:27:00 | postponed |
| S3-242734 | 19/08/2024 09:53:06 | noted |
| S3-242735 | 19/08/2024 09:53:27 | noted |
| S3-242736 | 19/08/2024 07:30:46 | noted |
| S3-242737 | 20/08/2024 14:05:10 | noted |
| S3-242738 | 19/08/2024 09:53:47 | noted |
| S3-242739 | 19/08/2024 09:53:52 | noted |
| S3-242740 | 19/08/2024 09:54:06 | noted |
| S3-242741 | 19/08/2024 09:19:55 | replied to |
| S3-242741 | 19/08/2024 09:21:01 | available |
| S3-242742 | 23/08/2024 08:10:10 | available |
| S3-242743 | 23/08/2024 08:10:14 | noted |
| S3-242744 | 21/08/2024 16:05:38 | available |
| S3-242745 | 21/08/2024 15:31:40 | approved |
| S3-242746 | 20/08/2024 16:00:39 | revised |
| S3-242747 | 21/08/2024 15:18:55 | revised |
| S3-242748 | 20/08/2024 15:55:40 | revised |
| S3-242749 | 20/08/2024 15:57:41 | revised |
| S3-242750 | 20/08/2024 10:24:15 | revised |
| S3-242751 | 20/08/2024 07:33:30 | revised |
| S3-242752 | 20/08/2024 08:25:22 | revised |
| S3-242753 | 20/08/2024 14:05:13 | noted |
| S3-242754 | 20/08/2024 12:40:52 | approved |
| S3-242755 | 21/08/2024 09:51:59 | withdrawn |
| S3-242756 | 19/08/2024 09:54:29 | noted |
| S3-242757 | 19/08/2024 07:30:12 | noted |
| S3-242758 | 19/08/2024 09:24:38 | available |
| S3-242759 | 19/08/2024 15:23:10 | revised |
| S3-242760 | 19/08/2024 10:28:18 | noted |
| S3-242761 | 19/08/2024 13:12:20 | available |
| S3-242762 | 19/08/2024 09:49:29 | noted |
| S3-242763 | 23/08/2024 07:52:51 | revised |
| S3-242764 | 20/08/2024 16:15:42 | revised |
| S3-242767 | 19/08/2024 07:40:55 | noted |
| S3-242768 | 23/08/2024 07:59:34 | noted |
| S3-242769 | 22/08/2024 12:23:53 | noted |
| S3-242770 | 19/08/2024 16:47:55 | revised |
| S3-242771 | 19/08/2024 16:49:33 | revised |
| S3-242772 | 22/08/2024 12:43:22 | revised |
| S3-242773 | 19/08/2024 16:55:50 | revised |
| S3-242774 | 22/08/2024 12:44:13 | revised |
| S3-242775 | 23/08/2024 11:20:22 | noted |
| S3-242776 | 21/08/2024 16:10:24 | revised |
| S3-242777 | 21/08/2024 16:09:51 | approved |
| S3-242779 | 20/08/2024 09:44:37 | available |
| S3-242780 | 22/08/2024 07:41:32 | revised |
| S3-242781 | 19/08/2024 16:27:03 | revised |
| S3-242782 | 19/08/2024 16:27:06 | revised |
| S3-242783 | 19/08/2024 16:27:09 | revised |
| S3-242784 | 19/08/2024 16:27:20 | revised |
| S3-242786 | 21/08/2024 16:10:09 | revised |
| S3-242787 | 21/08/2024 16:10:33 | approved |
| S3-242788 | 21/08/2024 16:10:37 | revised |
| S3-242789 | 23/08/2024 06:04:55 | noted |
| S3-242790 | 23/08/2024 07:40:31 | noted |
| S3-242791 | 23/08/2024 06:05:14 | noted |
| S3-242792 | 23/08/2024 06:57:31 | revised |
| S3-242793 | 22/08/2024 16:25:05 | available |
| S3-242793 | 23/08/2024 06:05:33 | noted |
| S3-242794 | 20/08/2024 16:07:37 | revised |
| S3-242795 | 23/08/2024 07:01:47 | noted |
| S3-242796 | 20/08/2024 16:10:31 | revised |
| S3-242797 | 22/08/2024 16:49:31 | available |
| S3-242798 | 20/08/2024 16:12:48 | revised |
| S3-242799 | 20/08/2024 16:06:13 | noted |
| S3-242800 | 20/08/2024 16:06:22 | available |
| S3-242801 | 20/08/2024 16:03:39 | revised |
| S3-242802 | 22/08/2024 16:47:23 | available |
| S3-242803 | 22/08/2024 16:50:31 | available |
| S3-242804 | 22/08/2024 16:50:24 | available |
| S3-242805 | 22/08/2024 16:50:10 | available |
| S3-242806 | 21/08/2024 07:42:36 | revised |
| S3-242807 | 21/08/2024 07:34:07 | revised |
| S3-242807 | 23/08/2024 06:50:22 | approved |
| S3-242808 | 21/08/2024 07:45:32 | revised |
| S3-242809 | 21/08/2024 07:56:25 | revised |
| S3-242810 | 21/08/2024 09:26:54 | revised |
| S3-242811 | 21/08/2024 08:22:37 | revised |
| S3-242812 | 21/08/2024 09:43:54 | noted |
| S3-242813 | 21/08/2024 09:48:28 | noted |
| S3-242814 | 21/08/2024 09:18:41 | available |
| S3-242815 | 20/08/2024 15:55:04 | revised |
| S3-242816 | 20/08/2024 16:11:52 | noted |
| S3-242817 | 20/08/2024 16:12:56 | revised |
| S3-242817 | 20/08/2024 16:13:15 | noted |
| S3-242818 | 20/08/2024 16:13:21 | revised |
| S3-242819 | 21/08/2024 16:56:03 | revised |
| S3-242820 | 19/08/2024 09:34:07 | noted |
| S3-242821 | 21/08/2024 16:06:03 | revised |
| S3-242823 | 22/08/2024 12:13:11 | available |
| S3-242824 | 22/08/2024 09:26:27 | noted |
| S3-242825 | 21/08/2024 15:54:06 | available |
| S3-242826 | 23/08/2024 06:59:19 | noted |
| S3-242827 | 23/08/2024 07:01:58 | noted |
| S3-242828 | 21/08/2024 15:55:15 | revised |
| S3-242829 | 21/08/2024 15:55:34 | revised |
| S3-242830 | 21/08/2024 16:51:18 | revised |
| S3-242831 | 19/08/2024 13:13:43 | agreed |
| S3-242832 | 19/08/2024 13:13:43 | agreed |
| S3-242833 | 21/08/2024 15:22:41 | revised |
| S3-242834 | 22/08/2024 06:30:29 | noted |
| S3-242835 | 21/08/2024 16:57:25 | approved |
| S3-242836 | 23/08/2024 06:23:53 | noted |
| S3-242837 | 22/08/2024 16:30:19 | revised |
| S3-242839 | 19/08/2024 14:06:15 | noted |
| S3-242840 | 21/08/2024 09:50:41 | approved |
| S3-242841 | 20/08/2024 10:03:42 | approved |
| S3-242843 | 19/08/2024 13:22:30 | available |
| S3-242844 | 22/08/2024 16:49:35 | available |
| S3-242845 | 22/08/2024 16:39:04 | available |
| S3-242846 | 20/08/2024 16:17:32 | revised |
| S3-242847 | 20/08/2024 16:17:41 | revised |
| S3-242848 | 21/08/2024 13:06:10 | revised |
| S3-242849 | 21/08/2024 13:17:10 | noted |
| S3-242850 | 20/08/2024 06:11:53 | revised |
| S3-242851 | 20/08/2024 06:13:22 | revised |
| S3-242852 | 20/08/2024 17:25:12 | revised |
| S3-242853 | 21/08/2024 16:42:26 | revised |
| S3-242854 | 20/08/2024 13:04:12 | revised |
| S3-242855 | 22/08/2024 06:47:02 | revised |
| S3-242856 | 20/08/2024 08:21:09 | revised |
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| S3-242858 | 21/08/2024 12:46:48 | available |
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| S3-242860 | 22/08/2024 16:39:07 | available |
| S3-242861 | 22/08/2024 16:39:48 | available |
| S3-242862 | 20/08/2024 12:25:49 | noted |
| S3-242863 | 22/08/2024 16:49:38 | available |
| S3-242864 | 22/08/2024 16:50:14 | available |
| S3-242865 | 20/08/2024 16:26:39 | revised |
| S3-242866 | 22/08/2024 16:50:33 | available |
| S3-242867 | 21/08/2024 15:26:11 | revised |
| S3-242868 | 22/08/2024 13:24:07 | noted |
| S3-242869 | 20/08/2024 16:00:02 | revised |
| S3-242870 | 21/08/2024 15:51:24 | revised |
| S3-242871 | 21/08/2024 15:52:11 | noted |
| S3-242872 | 21/08/2024 15:49:32 | revised |
| S3-242873 | 21/08/2024 15:51:16 | revised |
| S3-242874 | 21/08/2024 16:13:47 | revised |
| S3-242875 | 21/08/2024 16:13:59 | revised |
| S3-242876 | 19/08/2024 12:11:34 | agreed |
| S3-242877 | 19/08/2024 12:11:35 | agreed |
| S3-242878 | 23/08/2024 06:31:41 | noted |
| S3-242879 | 22/08/2024 07:02:52 | revised |
| S3-242880 | 22/08/2024 07:03:05 | revised |
| S3-242881 | 21/08/2024 13:11:43 | revised |
| S3-242882 | 22/08/2024 07:03:07 | revised |
| S3-242883 | 21/08/2024 13:14:45 | approved |
| S3-242884 | 20/08/2024 06:15:53 | revised |
| S3-242885 | 20/08/2024 06:22:49 | revised |
| S3-242886 | 20/08/2024 07:11:43 | revised |
| S3-242887 | 20/08/2024 07:12:25 | approved |
| S3-242888 | 20/08/2024 07:37:06 | approved |
| S3-242889 | 20/08/2024 07:38:07 | revised |
| S3-242890 | 20/08/2024 08:20:23 | available |
| S3-242891 | 22/08/2024 16:08:10 | noted |
| S3-242892 | 20/08/2024 13:07:35 | revised |
| S3-242893 | 20/08/2024 13:09:23 | revised |
| S3-242894 | 20/08/2024 13:12:56 | revised |
| S3-242895 | 20/08/2024 13:16:33 | revised |
| S3-242896 | 21/08/2024 15:58:31 | available |
| S3-242897 | 21/08/2024 15:58:39 | available |
| S3-242898 | 19/08/2024 08:13:54 | revised |
| S3-242899 | 20/08/2024 15:55:19 | revised |
| S3-242900 | 19/08/2024 09:20:55 | available |
| S3-242901 | 19/08/2024 09:30:44 | available |
| S3-242902 | 22/08/2024 08:22:55 | available |
| S3-242903 | 22/08/2024 16:08:32 | available |
| S3-242904 | 19/08/2024 12:23:38 | available |
| S3-242905 | 19/08/2024 13:23:13 | agreed |
| S3-242906 | 20/08/2024 16:11:53 | noted |
| S3-242907 | 21/08/2024 16:54:50 | noted |
| S3-242908 | 20/08/2024 16:13:49 | revised |
| S3-242909 | 20/08/2024 12:24:32 | revised |
| S3-242910 | 20/08/2024 09:09:13 | approved |
| S3-242911 | 20/08/2024 10:26:33 | revised |
| S3-242912 | 20/08/2024 10:27:11 | revised |
| S3-242913 | 23/08/2024 11:20:43 | noted |
| S3-242914 | 22/08/2024 14:47:09 | noted |
| S3-242915 | 20/08/2024 16:05:34 | available |
| S3-242916 | 21/08/2024 16:26:26 | available |
| S3-242916 | 22/08/2024 15:06:43 | noted |
| S3-242917 | 22/08/2024 16:28:38 | available |
| S3-242918 | 20/08/2024 16:16:54 | approved |
| S3-242919 | 20/08/2024 16:17:15 | revised |
| S3-242920 | 20/08/2024 16:18:28 | revised |
| S3-242921 | 22/08/2024 16:47:28 | available |
| S3-242922 | 22/08/2024 16:38:56 | available |
| S3-242923 | 22/08/2024 16:49:00 | available |
| S3-242924 | 22/08/2024 16:49:41 | available |
| S3-242925 | 20/08/2024 06:23:41 | approved |
| S3-242926 | 20/08/2024 06:24:11 | approved |
| S3-242927 | 20/08/2024 06:24:42 | approved |
| S3-242928 | 20/08/2024 06:25:49 | revised |
| S3-242929 | 21/08/2024 07:47:55 | available |
| S3-242930 | 21/08/2024 16:13:25 | revised |
| S3-242931 | 22/08/2024 07:51:35 | revised |
| S3-242932 | 21/08/2024 16:06:58 | approved |
| S3-242933 | 21/08/2024 16:07:26 | revised |
| S3-242934 | 22/08/2024 16:24:45 | noted |
| S3-242935 | 21/08/2024 16:07:11 | noted |
| S3-242935 | 21/08/2024 16:57:57 | revised |
| S3-242936 | 21/08/2024 16:08:48 | noted |
| S3-242937 | 21/08/2024 16:08:20 | revised |
| S3-242938 | 21/08/2024 16:09:31 | approved |
| S3-242939 | 22/08/2024 16:09:04 | available |
| S3-242940 | 20/08/2024 06:34:07 | revised |
| S3-242941 | 20/08/2024 07:18:08 | approved |
| S3-242942 | 20/08/2024 07:18:33 | approved |
| S3-242943 | 20/08/2024 07:20:52 | revised |
| S3-242944 | 20/08/2024 08:20:27 | available |
| S3-242945 | 23/08/2024 06:51:32 | noted |
| S3-242946 | 21/08/2024 07:52:16 | revised |
| S3-242947 | 21/08/2024 09:23:23 | revised |
| S3-242948 | 21/08/2024 09:45:49 | noted |
| S3-242949 | 22/08/2024 12:21:12 | noted |
| S3-242950 | 23/08/2024 08:10:19 | noted |
| S3-242951 | 23/08/2024 08:10:32 | available |
| S3-242952 | 19/08/2024 12:26:17 | agreed |
| S3-242953 | 22/08/2024 12:10:39 | available |
| S3-242954 | 20/08/2024 16:11:55 | noted |
| S3-242955 | 22/08/2024 16:28:42 | available |
| S3-242956 | 22/08/2024 16:28:33 | available |
| S3-242957 | 21/08/2024 12:46:53 | available |
| S3-242957 | 21/08/2024 12:47:01 | merged |
| S3-242957 | 21/08/2024 12:48:44 | approved |
| S3-242958 | 21/08/2024 12:46:28 | revised |
| S3-242959 | 22/08/2024 08:02:51 | noted |
| S3-242960 | 23/08/2024 07:33:44 | noted |
| S3-242961 | 22/08/2024 16:38:47 | noted |
| S3-242962 | 21/08/2024 12:25:49 | noted |
| S3-242963 | 22/08/2024 16:38:03 | noted |
| S3-242964 | 19/08/2024 13:12:25 | revised |
| S3-242965 | 20/08/2024 16:03:12 | revised |
| S3-242966 | 20/08/2024 16:06:04 | available |
| S3-242967 | 20/08/2024 16:18:52 | approved |
| S3-242968 | 19/08/2024 16:59:24 | available |
| S3-242969 | 20/08/2024 16:19:01 | approved |
| S3-242970 | 19/08/2024 17:00:41 | available |
| S3-242971 | 20/08/2024 16:18:34 | available |
| S3-242972 | 19/08/2024 17:01:15 | available |
| S3-242973 | 19/08/2024 16:48:48 | available |
| S3-242974 | 19/08/2024 16:55:28 | available |
| S3-242975 | 19/08/2024 16:05:33 | agreed |
| S3-242976 | 19/08/2024 17:03:47 | available |
| S3-242977 | 19/08/2024 16:07:44 | available |
| S3-242978 | 19/08/2024 17:05:03 | available |
| S3-242978 | 21/08/2024 16:36:07 | revised |
| S3-242979 | 19/08/2024 16:09:50 | revised |
| S3-242980 | 19/08/2024 16:11:07 | revised |
| S3-242982 | 19/08/2024 16:11:15 | revised |
| S3-242983 | 22/08/2024 16:39:21 | available |
| S3-242984 | 22/08/2024 16:47:32 | available |
| S3-242985 | 20/08/2024 16:19:10 | approved |
| S3-242985 | 20/08/2024 16:19:31 | revised |
| S3-242986 | 21/08/2024 14:12:33 | revised |
| S3-242987 | 20/08/2024 16:06:50 | revised |
| S3-242988 | 22/08/2024 16:28:28 | available |
| S3-242989 | 22/08/2024 16:49:43 | available |
| S3-242990 | 22/08/2024 16:39:50 | available |
| S3-242991 | 22/08/2024 16:39:45 | available |
| S3-242992 | 20/08/2024 16:05:55 | available |
| S3-242993 | 21/08/2024 16:26:31 | available |
| S3-242993 | 22/08/2024 15:06:38 | noted |
| S3-242994 | 20/08/2024 16:02:59 | revised |
| S3-242995 | 20/08/2024 16:11:58 | noted |
| S3-242996 | 21/08/2024 16:56:13 | available |
| S3-242997 | 20/08/2024 16:14:00 | revised |
| S3-242998 | 20/08/2024 16:14:07 | revised |
| S3-242999 | 21/08/2024 15:55:42 | revised |
| S3-243000 | 23/08/2024 08:00:15 | noted |
| S3-243001 | 20/08/2024 16:00:21 | revised |
| S3-243002 | 20/08/2024 16:19:14 | approved |
| S3-243002 | 20/08/2024 16:19:23 | revised |
| S3-243003 | 20/08/2024 16:21:04 | approved |
| S3-243004 | 20/08/2024 16:07:16 | revised |
| S3-243005 | 20/08/2024 16:21:27 | revised |
| S3-243006 | 23/08/2024 07:41:34 | noted |
| S3-243007 | 20/08/2024 15:59:04 | revised |
| S3-243008 | 20/08/2024 15:59:16 | revised |
| S3-243009 | 23/08/2024 07:40:56 | noted |
| S3-243010 | 23/08/2024 10:12:11 | noted |
| S3-243011 | 20/08/2024 16:07:47 | revised |
| S3-243012 | 20/08/2024 16:07:58 | revised |
| S3-243013 | 20/08/2024 09:54:22 | revised |
| S3-243014 | 20/08/2024 16:09:25 | revised |
| S3-243015 | 23/08/2024 06:47:38 | revised |
| S3-243016 | 20/08/2024 16:07:26 | revised |
| S3-243017 | 20/08/2024 09:55:09 | revised |
| S3-243018 | 20/08/2024 09:43:06 | revised |
| S3-243019 | 20/08/2024 09:43:45 | available |
| S3-243019 | 21/08/2024 17:04:06 | merged |
| S3-243019 | 23/08/2024 06:48:59 | revised |
| S3-243020 | 20/08/2024 10:18:18 | revised |
| S3-243021 | 20/08/2024 09:49:19 | revised |
| S3-243021 | 23/08/2024 09:31:25 | noted |
| S3-243022 | 21/08/2024 15:49:51 | approved |
| S3-243023 | 21/08/2024 15:50:27 | revised |
| S3-243024 | 21/08/2024 15:50:18 | revised |
| S3-243025 | 21/08/2024 15:50:45 | revised |
| S3-243026 | 21/08/2024 15:51:43 | revised |
| S3-243027 | 19/08/2024 08:09:38 | available |
| S3-243028 | 21/08/2024 15:53:56 | revised |
| S3-243029 | 19/08/2024 17:06:17 | available |
| S3-243030 | 23/08/2024 06:08:26 | noted |
| S3-243031 | 21/08/2024 08:01:20 | revised |
| S3-243032 | 21/08/2024 09:32:01 | revised |
| S3-243033 | 20/08/2024 16:26:48 | revised |
| S3-243034 | 20/08/2024 16:27:20 | revised |
| S3-243035 | 20/08/2024 16:22:01 | approved |
| S3-243036 | 20/08/2024 07:43:04 | revised |
| S3-243037 | 20/08/2024 06:35:48 | approved |
| S3-243038 | 20/08/2024 06:37:28 | revised |
| S3-243039 | 21/08/2024 16:52:40 | noted |
| S3-243040 | 22/08/2024 07:58:44 | noted |
| S3-243042 | 19/08/2024 07:32:04 | noted |
| S3-243043 | 21/08/2024 07:29:33 | revised |
| S3-243044 | 21/08/2024 12:11:18 | revised |
| S3-243044 | 27/08/2024 07:33:46 | noted |
| S3-243045 | 22/08/2024 16:28:50 | available |
| S3-243046 | 23/08/2024 10:10:43 | approved |
| S3-243047 | 22/08/2024 12:22:18 | available |
| S3-243048 | 19/08/2024 14:44:01 | revised |
| S3-243049 | 20/08/2024 07:56:28 | noted |
| S3-243050 | 20/08/2024 08:00:23 | revised |
| S3-243051 | 22/08/2024 17:13:38 | revised |
| S3-243052 | 21/08/2024 08:28:15 | revised |
| S3-243053 | 19/08/2024 12:22:31 | revised |
| S3-243054 | 22/08/2024 16:47:47 | noted |
| S3-243055 | 22/08/2024 16:50:16 | available |
| S3-243056 | 23/08/2024 09:07:28 | revised |
| S3-243057 | 22/08/2024 15:13:35 | revised |
| S3-243058 | 20/08/2024 16:22:16 | revised |
| S3-243059 | 22/08/2024 16:39:24 | available |
| S3-243060 | 22/08/2024 10:19:30 | revised |
| S3-243061 | 20/08/2024 16:12:00 | noted |
| S3-243062 | 22/08/2024 17:13:14 | revised |
| S3-243063 | 21/08/2024 08:19:44 | revised |
| S3-243064 | 19/08/2024 12:37:49 | revised |
| S3-243065 | 22/08/2024 17:13:04 | revised |
| S3-243066 | 21/08/2024 09:38:17 | revised |
| S3-243067 | 22/08/2024 12:12:34 | available |
| S3-243068 | 21/08/2024 12:15:02 | approved |
| S3-243069 | 21/08/2024 12:16:40 | revised |
| S3-243070 | 21/08/2024 12:17:23 | revised |
| S3-243071 | 21/08/2024 12:19:41 | approved |
| S3-243072 | 22/08/2024 15:18:53 | revised |
| S3-243073 | 20/08/2024 16:21:35 | available |
| S3-243074 | 21/08/2024 07:42:41 | available |
| S3-243075 | 21/08/2024 09:17:44 | revised |
| S3-243076 | 21/08/2024 09:39:46 | revised |
| S3-243077 | 21/08/2024 08:30:19 | revised |
| S3-243078 | 21/08/2024 09:40:25 | approved |
| S3-243079 | 23/08/2024 09:29:17 | noted |
| S3-243080 | 23/08/2024 09:32:13 | noted |
| S3-243081 | 20/08/2024 10:31:52 | available |
| S3-243082 | 20/08/2024 09:18:43 | revised |
| S3-243083 | 21/08/2024 14:15:49 | revised |
| S3-243084 | 20/08/2024 15:58:43 | available |
| S3-243085 | 20/08/2024 15:59:57 | available |
| S3-243086 | 20/08/2024 12:24:47 | available |
| S3-243087 | 20/08/2024 15:55:13 | revised |
| S3-243088 | 20/08/2024 15:55:30 | available |
| S3-243089 | 22/08/2024 06:21:43 | revised |
| S3-243090 | 21/08/2024 06:38:47 | revised |
| S3-243091 | 23/08/2024 06:37:48 | approved |
| S3-243092 | 21/08/2024 06:40:17 | revised |
| S3-243093 | 21/08/2024 06:58:00 | revised |
| S3-243094 | 22/08/2024 06:22:15 | revised |
| S3-243095 | 23/08/2024 06:44:03 | available |
| S3-243096 | 21/08/2024 06:14:36 | revised |
| S3-243096 | 22/08/2024 16:12:41 | noted |
| S3-243097 | 19/08/2024 05:45:59 | revised |
| S3-243098 | 21/08/2024 16:06:12 | available |
| S3-243099 | 21/08/2024 16:09:13 | available |
| S3-243100 | 21/08/2024 16:08:41 | available |
| S3-243101 | 21/08/2024 16:07:36 | available |
| S3-243102 | 22/08/2024 16:32:44 | available |
| S3-243103 | 22/08/2024 16:32:47 | available |
| S3-243104 | 22/08/2024 16:32:50 | available |
| S3-243105 | 22/08/2024 16:32:54 | available |
| S3-243106 | 22/08/2024 16:32:57 | available |
| S3-243107 | 22/08/2024 16:33:01 | available |
| S3-243108 | 22/08/2024 16:33:06 | available |
| S3-243109 | 23/08/2024 07:39:48 | approved |
| S3-243110 | 20/08/2024 16:09:42 | revised |
| S3-243111 | 20/08/2024 16:09:50 | available |
| S3-243111 | 20/08/2024 16:09:52 | approved |
| S3-243112 | 19/08/2024 17:07:03 | approved |
| S3-243113 | 19/08/2024 17:07:30 | approved |
| S3-243114 | 19/08/2024 17:07:52 | approved |
| S3-243115 | 19/08/2024 17:11:47 | approved |
| S3-243116 | 20/08/2024 07:27:34 | revised |
| S3-243117 | 22/08/2024 06:49:24 | noted |
| S3-243118 | 20/08/2024 16:05:42 | available |
| S3-243119 | 21/08/2024 16:25:28 | noted |
| S3-243120 | 21/08/2024 16:26:13 | revised |
| S3-243121 | 20/08/2024 14:08:52 | revised |
| S3-243122 | 20/08/2024 16:05:14 | revised |
| S3-243123 | 21/08/2024 15:55:59 | revised |
| S3-243124 | 21/08/2024 15:56:07 | revised |
| S3-243125 | 21/08/2024 14:10:58 | available |
| S3-243126 | 21/08/2024 16:12:35 | revised |
| S3-243127 | 21/08/2024 16:44:11 | revised |
| S3-243127 | 23/08/2024 07:45:20 | noted |
| S3-243128 | 20/08/2024 07:44:21 | approved |
| S3-243129 | 20/08/2024 07:46:20 | revised |
| S3-243130 | 23/08/2024 06:10:18 | noted |
| S3-243131 | 23/08/2024 06:10:23 | noted |
| S3-243132 | 23/08/2024 06:10:34 | noted |
| S3-243133 | 23/08/2024 06:10:37 | noted |
| S3-243134 | 21/08/2024 16:00:58 | revised |
| S3-243135 | 21/08/2024 16:03:35 | noted |
| S3-243136 | 21/08/2024 16:01:25 | approved |
| S3-243137 | 21/08/2024 16:03:06 | available |
| S3-243138 | 21/08/2024 16:03:39 | noted |
| S3-243139 | 21/08/2024 15:58:15 | revised |
| S3-243140 | 21/08/2024 16:03:41 | noted |
| S3-243141 | 21/08/2024 14:18:35 | revised |
| S3-243142 | 20/08/2024 06:44:09 | revised |
| S3-243143 | 20/08/2024 06:47:35 | revised |
| S3-243144 | 23/08/2024 08:04:52 | noted |
| S3-243145 | 22/08/2024 16:08:39 | available |
| S3-243146 | 20/08/2024 07:30:27 | approved |
| S3-243147 | 23/08/2024 10:04:03 | approved |
| S3-243148 | 20/08/2024 08:20:03 | revised |
| S3-243149 | 21/08/2024 15:56:15 | revised |
| S3-243150 | 21/08/2024 12:52:30 | approved |
| S3-243151 | 21/08/2024 13:01:43 | revised |
| S3-243152 | 22/08/2024 16:29:19 | withdrawn |
| S3-243153 | 22/08/2024 16:11:56 | revised |
| S3-243154 | 21/08/2024 15:59:48 | revised |
| S3-243155 | 21/08/2024 15:58:48 | available |
| S3-243156 | 21/08/2024 15:58:55 | available |
| S3-243157 | 22/08/2024 16:08:48 | available |
| S3-243158 | 20/08/2024 16:14:18 | revised |
| S3-243159 | 19/08/2024 12:31:28 | agreed |
| S3-243160 | 22/08/2024 12:06:14 | revised |
| S3-243161 | 22/08/2024 12:07:31 | revised |
| S3-243162 | 19/08/2024 12:09:17 | noted |
| S3-243163 | 22/08/2024 12:46:20 | available |
| S3-243164 | 22/08/2024 12:46:23 | available |
| S3-243165 | 22/08/2024 16:38:25 | noted |
| S3-243166 | 22/08/2024 16:46:55 | noted |
| S3-243167 | 22/08/2024 16:47:02 | noted |
| S3-243168 | 22/08/2024 16:46:56 | noted |
| S3-243169 | 22/08/2024 16:39:40 | available |
| S3-243170 | 22/08/2024 16:49:05 | available |
| S3-243171 | 20/08/2024 09:43:59 | available |
| S3-243172 | 20/08/2024 10:18:46 | available |
| S3-243173 | 19/08/2024 16:22:51 | approved |
| S3-243174 | 19/08/2024 16:25:22 | approved |
| S3-243175 | 19/08/2024 16:26:26 | approved |
| S3-243176 | 22/08/2024 12:31:52 | noted |
| S3-243177 | 19/08/2024 14:46:29 | agreed |
| S3-243178 | 19/08/2024 14:46:30 | agreed |
| S3-243179 | 19/08/2024 14:46:31 | agreed |
| S3-243180 | 19/08/2024 14:46:35 | agreed |
| S3-243181 | 19/08/2024 13:17:32 | agreed |
| S3-243181 | 19/08/2024 13:17:39 | revised |
| S3-243181 | 19/08/2024 13:17:43 | agreed |
| S3-243182 | 23/08/2024 06:35:55 | noted |
| S3-243183 | 21/08/2024 06:44:28 | revised |
| S3-243184 | 21/08/2024 07:30:54 | noted |
| S3-243185 | 19/08/2024 14:54:36 | revised |
| S3-243186 | 21/08/2024 09:08:14 | revised |
| S3-243187 | 21/08/2024 07:42:45 | available |
| S3-243188 | 21/08/2024 09:18:50 | available |
| S3-243189 | 21/08/2024 07:58:29 | revised |
| S3-243190 | 21/08/2024 09:29:28 | revised |
| S3-243191 | 21/08/2024 07:59:22 | approved |
| S3-243192 | 21/08/2024 09:47:47 | noted |
| S3-243193 | 22/08/2024 13:07:39 | revised |
| S3-243194 | 20/08/2024 16:12:08 | noted |
| S3-243195 | 20/08/2024 16:12:25 | revised |
| S3-243196 | 20/08/2024 16:12:40 | revised |
| S3-243197 | 20/08/2024 16:14:28 | revised |
| S3-243198 | 21/08/2024 16:54:56 | noted |
| S3-243199 | 21/08/2024 16:55:12 | noted |
| S3-243200 | 20/08/2024 10:01:21 | approved |
| S3-243201 | 20/08/2024 10:00:32 | revised |
| S3-243202 | 20/08/2024 10:31:30 | revised |
| S3-243203 | 20/08/2024 12:28:21 | noted |
| S3-243203 | 20/08/2024 12:33:13 | revised |
| S3-243204 | 22/08/2024 14:38:19 | revised |
| S3-243205 | 20/08/2024 09:44:13 | available |
| S3-243206 | 20/08/2024 10:18:55 | available |
| S3-243207 | 20/08/2024 12:25:24 | available |
| S3-243208 | 20/08/2024 06:52:07 | approved |
| S3-243209 | 20/08/2024 06:52:49 | approved |
| S3-243210 | 20/08/2024 06:53:18 | revised |
| S3-243211 | 21/08/2024 16:12:26 | noted |
| S3-243212 | 21/08/2024 16:12:49 | available |
| S3-243213 | 21/08/2024 16:44:35 | noted |
| S3-243214 | 21/08/2024 16:03:45 | noted |
| S3-243215 | 20/08/2024 16:05:24 | available |
| S3-243216 | 21/08/2024 15:56:25 | revised |
| S3-243217 | 22/08/2024 07:56:21 | revised |
| S3-243218 | 20/08/2024 16:22:29 | revised |
| S3-243219 | 20/08/2024 16:23:42 | revised |
| S3-243220 | 20/08/2024 16:23:55 | revised |
| S3-243221 | 20/08/2024 16:26:07 | revised |
| S3-243222 | 20/08/2024 16:25:20 | revised |
| S3-243223 | 20/08/2024 16:25:42 | revised |
| S3-243224 | 20/08/2024 16:26:25 | revised |
| S3-243225 | 22/08/2024 16:33:18 | available |
| S3-243226 | 22/08/2024 16:33:21 | available |
| S3-243227 | 22/08/2024 16:33:23 | available |
| S3-243228 | 21/08/2024 15:50:53 | revised |
| S3-243229 | 21/08/2024 15:51:03 | revised |
| S3-243230 | 21/08/2024 15:51:34 | revised |
| S3-243231 | 21/08/2024 07:25:42 | approved |
| S3-243232 | 19/08/2024 08:09:47 | available |
| S3-243233 | 20/08/2024 16:26:58 | revised |
| S3-243234 | 20/08/2024 16:24:05 | revised |
| S3-243235 | 19/08/2024 16:36:55 | approved |
| S3-243236 | 19/08/2024 16:37:10 | revised |
| S3-243237 | 20/08/2024 14:41:10 | noted |
| S3-243238 | 20/08/2024 14:41:08 | noted |
| S3-243239 | 20/08/2024 14:42:06 | noted |
| S3-243240 | 19/08/2024 09:20:48 | revised |
| S3-243241 | 20/08/2024 09:11:26 | revised |
| S3-243243 | 21/08/2024 09:08:31 | noted |
| S3-243244 | 21/08/2024 08:21:19 | available |
| S3-243245 | 21/08/2024 08:23:42 | noted |
| S3-243246 | 21/08/2024 09:51:22 | approved |
| S3-243247 | 21/08/2024 09:52:14 | approved |
| S3-243248 | 21/08/2024 07:26:11 | approved |
| S3-243249 | 20/08/2024 16:12:10 | noted |
| S3-243250 | 20/08/2024 16:16:00 | noted |
| S3-243251 | 22/08/2024 16:08:54 | available |
| S3-243252 | 22/08/2024 17:05:53 | revised |
| S3-243253 | 20/08/2024 16:24:46 | approved |
| S3-243254 | 20/08/2024 16:25:00 | approved |
| S3-243255 | 20/08/2024 16:25:58 | revised |
| S3-243256 | 21/08/2024 06:14:45 | available |
| S3-243257 | 21/08/2024 07:01:18 | revised |
| S3-243258 | 21/08/2024 06:46:58 | revised |
| S3-243259 | 23/08/2024 06:44:48 | revised |
| S3-243260 | 21/08/2024 06:48:57 | revised |
| S3-243261 | 22/08/2024 16:47:54 | available |
| S3-243262 | 22/08/2024 16:50:18 | available |
| S3-243263 | 22/08/2024 16:49:08 | available |
| S3-243264 | 22/08/2024 16:08:59 | available |
| S3-243265 | 22/08/2024 12:11:52 | revised |
| S3-243266 | 21/08/2024 16:55:00 | noted |
| S3-243267 | 21/08/2024 16:55:05 | noted |
| S3-243268 | 20/08/2024 16:14:40 | revised |
| S3-243269 | 21/08/2024 16:26:22 | available |
| S3-243269 | 22/08/2024 15:06:46 | noted |
| S3-243270 | 20/08/2024 06:56:02 | revised |
| S3-243271 | 20/08/2024 06:56:47 | revised |
| S3-243272 | 20/08/2024 07:49:02 | revised |
| S3-243273 | 20/08/2024 07:51:15 | revised |
| S3-243274 | 23/08/2024 07:43:17 | revised |
| S3-243275 | 23/08/2024 07:46:09 | approved |
| S3-243276 | 21/08/2024 16:13:05 | revised |
| S3-243277 | 23/08/2024 06:12:11 | noted |
| S3-243278 | 22/08/2024 16:39:10 | available |
| S3-243279 | 23/08/2024 07:58:55 | available |
| S3-243280 | 22/08/2024 16:46:45 | noted |
| S3-243281 | 19/08/2024 17:13:59 | available |
| S3-243282 | 22/08/2024 16:49:12 | available |
| S3-243283 | 22/08/2024 16:50:28 | available |
| S3-243284 | 20/08/2024 14:18:40 | noted |
| S3-243285 | 19/08/2024 15:31:34 | noted |
| S3-243286 | 22/08/2024 16:46:10 | available |
| S3-243286 | 22/08/2024 16:46:40 | noted |
| S3-243287 | 22/08/2024 10:24:22 | revised |
| S3-243287 | 22/08/2024 16:48:25 | noted |
| S3-243288 | 22/08/2024 16:49:46 | available |
| S3-243289 | 19/08/2024 15:51:25 | revised |
| S3-243290 | 22/08/2024 16:49:48 | available |
| S3-243291 | 22/08/2024 17:04:05 | noted |
| S3-243292 | 22/08/2024 12:24:49 | revised |
| S3-243293 | 19/08/2024 09:26:27 | noted |
| S3-243294 | 19/08/2024 09:30:29 | revised |
| S3-243295 | 22/08/2024 08:22:33 | revised |
| S3-243296 | 21/08/2024 15:49:16 | approved |
| S3-243297 | 23/08/2024 09:28:31 | noted |
| S3-243298 | 21/08/2024 15:51:55 | revised |
| S3-243299 | 19/08/2024 09:24:32 | revised |
| S3-243300 | 22/08/2024 17:14:19 | revised |
| S3-243301 | 21/08/2024 07:19:10 | revised |
| S3-243302 | 21/08/2024 06:51:13 | revised |
| S3-243303 | 23/08/2024 06:11:28 | revised |
| S3-243304 | 23/08/2024 06:11:33 | revised |
| S3-243305 | 21/08/2024 06:53:09 | revised |
| S3-243306 | 23/08/2024 06:36:22 | noted |
| S3-243307 | 21/08/2024 06:14:51 | available |
| S3-243308 | 20/08/2024 15:59:43 | revised |
| S3-243309 | 20/08/2024 16:00:29 | revised |
| S3-243310 | 21/08/2024 15:29:10 | revised |
| S3-243311 | 20/08/2024 15:59:23 | noted |
| S3-243312 | 19/08/2024 15:55:33 | approved |
| S3-243313 | 20/08/2024 07:39:34 | revised |
| S3-243314 | 22/08/2024 12:25:37 | approved |
| S3-243315 | 19/08/2024 15:56:48 | approved |
| S3-243316 | 23/08/2024 08:10:17 | noted |
| S3-243317 | 23/08/2024 08:10:25 | noted |
| S3-243318 | 22/08/2024 15:17:18 | revised |
| S3-243319 | 20/08/2024 16:16:18 | noted |
| S3-243320 | 20/08/2024 16:16:45 | available |
| S3-243321 | 22/08/2024 16:09:08 | noted |
| S3-243322 | 22/08/2024 16:09:16 | available |
| S3-243323 | 21/08/2024 16:08:10 | available |
| S3-243324 | 21/08/2024 16:09:06 | revised |
| S3-243325 | 23/08/2024 06:13:34 | agreed |
| S3-243326 | 21/08/2024 16:05:17 | noted |
| S3-243327 | 21/08/2024 16:05:29 | revised |
| S3-243328 | 22/08/2024 13:13:17 | noted |
| S3-243329 | 21/08/2024 16:06:45 | revised |
| S3-243330 | 20/08/2024 16:14:55 | revised |
| S3-243331 | 21/08/2024 06:14:58 | available |
| S3-243332 | 21/08/2024 07:14:28 | approved |
| S3-243333 | 21/08/2024 07:15:21 | revised |
| S3-243334 | 21/08/2024 07:17:49 | revised |
| S3-243335 | 21/08/2024 06:54:35 | approved |
| S3-243336 | 23/08/2024 06:41:50 | approved |
| S3-243337 | 23/08/2024 06:42:18 | revised |
| S3-243338 | 21/08/2024 07:24:29 | approved |
| S3-243339 | 21/08/2024 07:24:55 | approved |
| S3-243340 | 22/08/2024 16:49:51 | available |
| S3-243341 | 22/08/2024 16:50:22 | available |
| S3-243342 | 20/08/2024 16:01:55 | revised |
| S3-243342 | 22/08/2024 14:48:04 | approved |
| S3-243343 | 21/08/2024 15:56:33 | revised |
| S3-243344 | 20/08/2024 07:00:42 | revised |
| S3-243345 | 22/08/2024 16:49:53 | available |
| S3-243346 | 22/08/2024 16:48:52 | available |
| S3-243347 | 23/08/2024 07:33:15 | noted |
| S3-243348 | 20/08/2024 16:18:40 | available |
| S3-243349 | 20/08/2024 16:21:50 | available |
| S3-243351 | 22/08/2024 16:50:01 | available |
| S3-243352 | 21/08/2024 14:10:50 | revised |
| S3-243353 | 21/08/2024 14:18:41 | available |
| S3-243354 | 22/08/2024 16:46:59 | noted |
| S3-243355 | 22/08/2024 16:39:18 | available |
| S3-243356 | 20/08/2024 09:21:16 | revised |
| S3-243356 | 23/08/2024 09:29:14 | noted |
| S3-243357 | 20/08/2024 10:05:34 | revised |
| S3-243358 | 22/08/2024 14:10:17 | noted |
| S3-243359 | 23/08/2024 09:32:06 | noted |
| S3-243360 | 20/08/2024 09:44:17 | available |
| S3-243361 | 20/08/2024 10:19:05 | available |
| S3-243362 | 20/08/2024 16:03:22 | available |
| S3-243363 | 19/08/2024 15:58:19 | available |
| S3-243363 | 19/08/2024 15:58:28 | not pursued |
| S3-243363 | 22/08/2024 12:26:21 | available |
| S3-243364 | 20/08/2024 16:03:50 | revised |
| S3-243365 | 20/08/2024 15:57:59 | revised |
| S3-243366 | 19/08/2024 07:56:49 | available |
| S3-243366 | 08/10/2024 12:36:31 | postponed |
| S3-243367 | 21/08/2024 07:47:36 | revised |
| S3-243368 | 21/08/2024 09:34:12 | revised |
| S3-243369 | 21/08/2024 09:36:18 | revised |
| S3-243370 | 21/08/2024 08:05:36 | revised |
| S3-243371 | 21/08/2024 08:09:56 | revised |
| S3-243372 | 21/08/2024 12:49:27 | available |
| S3-243373 | 23/08/2024 07:50:22 | revised |
| S3-243374 | 21/08/2024 15:59:34 | noted |
| S3-243375 | 21/08/2024 15:59:17 | revised |
| S3-243376 | 21/08/2024 16:02:07 | revised |
| S3-243377 | 21/08/2024 15:59:00 | available |
| S3-243378 | 20/08/2024 10:19:10 | available |
| S3-243379 | 20/08/2024 09:57:41 | revised |
| S3-243380 | 20/08/2024 10:03:09 | revised |
| S3-243381 | 20/08/2024 08:22:44 | noted |
| S3-243382 | 20/08/2024 08:03:34 | noted |
| S3-243383 | 23/08/2024 08:07:58 | available |
| S3-243384 | 21/08/2024 16:01:11 | available |
| S3-243385 | 20/08/2024 16:02:28 | approved |
| S3-243386 | 20/08/2024 09:13:19 | revised |
| S3-243386 | 20/08/2024 09:13:52 | approved |
| S3-243387 | 22/08/2024 16:49:18 | available |
| S3-243388 | 22/08/2024 16:49:21 | available |
| S3-243389 | 22/08/2024 16:49:29 | available |
| S3-243390 | 19/08/2024 10:06:28 | postponed |
| S3-243391 | 19/08/2024 09:30:38 | available |
| S3-243392 | 23/08/2024 10:23:58 | available |
| S3-243393 | 19/08/2024 10:16:34 | withdrawn |
| S3-243394 | 19/08/2024 10:03:49 | postponed |
| S3-243395 | 21/08/2024 16:22:46 | revised |
| S3-243396 | 21/08/2024 16:24:16 | approved |
| S3-243397 | 20/08/2024 12:52:03 | revised |
| S3-243398 | 21/08/2024 16:36:32 | revised |
| S3-243399 | 23/08/2024 06:14:16 | noted |
| S3-243400 | 23/08/2024 06:16:02 | noted |
| S3-243401 | 23/08/2024 06:14:52 | noted |
| S3-243402 | 22/08/2024 16:14:05 | noted |
| S3-243403 | 19/08/2024 17:15:47 | approved |
| S3-243404 | 19/08/2024 17:15:50 | approved |
| S3-243405 | 19/08/2024 12:33:19 | agreed |
| S3-243406 | 23/08/2024 10:26:51 | noted |
| S3-243407 | 23/08/2024 08:03:31 | noted |
| S3-243408 | 22/08/2024 16:27:28 | noted |
| S3-243409 | 19/08/2024 08:21:50 | noted |
| S3-243410 | 19/08/2024 09:21:36 | approved |
| S3-243411 | 22/08/2024 08:19:10 | approved |
| S3-243412 | 22/08/2024 16:10:37 | approved |
| S3-243413 | 23/08/2024 10:58:53 | agreed |
| S3-243414 | 19/08/2024 12:38:05 | agreed |
| S3-243415 | 23/08/2024 11:02:04 | agreed |
| S3-243416 | 19/08/2024 13:19:04 | agreed |
| S3-243417 | 19/08/2024 14:44:04 | agreed |
| S3-243418 | 23/08/2024 11:03:09 | agreed |
| S3-243419 | 23/08/2024 08:16:58 | noted |
| S3-243420 | 19/08/2024 15:51:33 | approved |
| S3-243420 | 22/08/2024 12:28:07 | noted |
| S3-243422 | 19/08/2024 16:10:26 | approved |
| S3-243423 | 23/08/2024 08:24:40 | approved |
| S3-243424 | 19/08/2024 16:13:45 | approved |
| S3-243425 | 23/08/2024 10:22:25 | reserved |
| S3-243426 | 23/08/2024 10:22:27 | reserved |
| S3-243427 | 23/08/2024 10:22:29 | reserved |
| S3-243428 | 23/08/2024 10:25:09 | reserved |
| S3-243429 | 23/08/2024 10:25:11 | reserved |
| S3-243430 | 23/08/2024 10:25:13 | reserved |
| S3-243431 | 23/08/2024 10:25:14 | reserved |
| S3-243432 | 19/08/2024 16:37:38 | revised |
| S3-243432 | 23/08/2024 09:05:05 | approved |
| S3-243433 | 23/08/2024 09:10:16 | agreed |
| S3-243434 | 23/08/2024 10:25:16 | reserved |
| S3-243435 | 19/08/2024 16:48:03 | approved |
| S3-243436 | 22/08/2024 12:47:37 | approved |
| S3-243437 | 22/08/2024 12:48:14 | approved |
| S3-243438 | 23/08/2024 10:25:18 | reserved |
| S3-243439 | 23/08/2024 10:25:19 | reserved |
| S3-243440 | 22/08/2024 16:51:46 | approved |
| S3-243441 | 22/08/2024 16:52:15 | approved |
| S3-243442 | 22/08/2024 16:52:37 | approved |
| S3-243443 | 22/08/2024 16:53:02 | approved |
| S3-243444 | 22/08/2024 16:53:23 | approved |
| S3-243445 | 23/08/2024 10:23:50 | reserved |
| S3-243446 | 22/08/2024 16:53:53 | approved |
| S3-243447 | 22/08/2024 16:54:14 | approved |
| S3-243448 | 22/08/2024 16:54:36 | approved |
| S3-243449 | 22/08/2024 16:55:16 | approved |
| S3-243450 | 22/08/2024 16:55:40 | approved |
| S3-243451 | 22/08/2024 16:56:08 | approved |
| S3-243452 | 22/08/2024 16:56:45 | approved |
| S3-243453 | 22/08/2024 16:57:05 | approved |
| S3-243454 | 20/08/2024 07:11:55 | approved |
| S3-243455 | 22/08/2024 16:57:59 | approved |
| S3-243456 | 22/08/2024 16:58:33 | approved |
| S3-243457 | 22/08/2024 16:59:34 | approved |
| S3-243458 | 22/08/2024 16:59:55 | approved |
| S3-243459 | 20/08/2024 07:39:35 | approved |
| S3-243460 | 20/08/2024 07:43:14 | approved |
| S3-243461 | 22/08/2024 17:00:31 | approved |
| S3-243462 | 22/08/2024 17:00:59 | approved |
| S3-243463 | 22/08/2024 17:01:25 | approved |
| S3-243464 | 22/08/2024 17:02:33 | noted |
| S3-243465 | 22/08/2024 17:03:22 | approved |
| S3-243466 | 22/08/2024 16:51:12 | approved |
| S3-243467 | 22/08/2024 14:09:00 | approved |
| S3-243468 | 23/08/2024 10:23:30 | reserved |
| S3-243469 | 22/08/2024 14:09:32 | approved |
| S3-243470 | 23/08/2024 09:29:12 | withdrawn |
| S3-243471 | 23/08/2024 09:30:55 | noted |
| S3-243472 | 23/08/2024 09:31:24 | withdrawn |
| S3-243473 | 22/08/2024 14:25:55 | approved |
| S3-243474 | 22/08/2024 14:26:14 | approved |
| S3-243475 | 22/08/2024 14:26:37 | approved |
| S3-243476 | 22/08/2024 14:26:57 | approved |
| S3-243477 | 22/08/2024 14:27:23 | approved |
| S3-243478 | 23/08/2024 09:31:55 | approved |
| S3-243479 | 23/08/2024 09:32:52 | approved |
| S3-243480 | 23/08/2024 09:34:04 | approved |
| S3-243481 | 22/08/2024 14:33:12 | approved |
| S3-243482 | 22/08/2024 14:33:39 | approved |
| S3-243483 | 22/08/2024 14:34:46 | approved |
| S3-243484 | 23/08/2024 09:34:22 | noted |
| S3-243485 | 22/08/2024 14:37:21 | approved |
| S3-243486 | 22/08/2024 14:40:23 | approved |
| S3-243487 | 22/08/2024 14:40:47 | approved |
| S3-243488 | 23/08/2024 09:38:58 | approved |
| S3-243489 | 23/08/2024 11:17:02 | noted |
| S3-243490 | 22/08/2024 14:45:06 | noted |
| S3-243491 | 22/08/2024 14:45:07 | noted |
| S3-243492 | 22/08/2024 16:36:36 | approved |
| S3-243493 | 23/08/2024 09:14:20 | approved |
| S3-243494 | 23/08/2024 09:22:56 | approved |
| S3-243495 | 22/08/2024 13:16:23 | approved |
| S3-243496 | 22/08/2024 13:17:07 | approved |
| S3-243497 | 23/08/2024 09:15:27 | approved |
| S3-243498 | 22/08/2024 13:18:38 | approved |
| S3-243499 | 22/08/2024 13:19:10 | approved |
| S3-243500 | 22/08/2024 13:20:05 | approved |
| S3-243501 | 23/08/2024 09:17:09 | approved |
| S3-243502 | 22/08/2024 13:21:29 | approved |
| S3-243503 | 23/08/2024 09:17:59 | approved |
| S3-243504 | 23/08/2024 09:19:35 | approved |
| S3-243505 | 23/08/2024 11:15:49 | approved |
| S3-243506 | 22/08/2024 14:48:02 | withdrawn |
| S3-243507 | 22/08/2024 14:49:28 | approved |
| S3-243508 | 22/08/2024 14:50:26 | approved |
| S3-243509 | 22/08/2024 14:50:52 | approved |
| S3-243510 | 23/08/2024 09:40:39 | approved |
| S3-243511 | 22/08/2024 15:02:28 | revised |
| S3-243512 | 23/08/2024 07:36:48 | approved |
| S3-243513 | 23/08/2024 07:37:18 | approved |
| S3-243514 | 23/08/2024 07:37:54 | approved |
| S3-243515 | 23/08/2024 07:38:14 | approved |
| S3-243516 | 23/08/2024 07:38:43 | approved |
| S3-243517 | 23/08/2024 07:39:01 | approved |
| S3-243518 | 21/08/2024 14:34:28 | approved |
| S3-243519 | 23/08/2024 07:39:18 | approved |
| S3-243520 | 23/08/2024 07:40:09 | approved |
| S3-243521 | 23/08/2024 07:40:44 | noted |
| S3-243522 | 22/08/2024 12:51:37 | approved |
| S3-243523 | 23/08/2024 09:11:08 | noted |
| S3-243524 | 22/08/2024 12:54:00 | approved |
| S3-243525 | 22/08/2024 12:58:38 | approved |
| S3-243526 | 22/08/2024 12:59:23 | approved |
| S3-243527 | 22/08/2024 13:00:08 | approved |
| S3-243528 | 22/08/2024 13:00:35 | approved |
| S3-243529 | 22/08/2024 13:01:00 | approved |
| S3-243530 | 23/08/2024 09:11:56 | approved |
| S3-243531 | 22/08/2024 13:04:18 | approved |
| S3-243532 | 22/08/2024 13:05:46 | approved |
| S3-243533 | 22/08/2024 16:24:20 | approved |
| S3-243534 | 22/08/2024 15:09:20 | approved |
| S3-243535 | 22/08/2024 15:09:59 | approved |
| S3-243536 | 22/08/2024 15:10:20 | approved |
| S3-243537 | 22/08/2024 15:11:42 | approved |
| S3-243538 | 20/08/2024 16:20:50 | approved |
| S3-243539 | 20/08/2024 16:20:30 | approved |
| S3-243540 | 22/08/2024 15:13:04 | approved |
| S3-243541 | 22/08/2024 15:14:07 | approved |
| S3-243542 | 20/08/2024 16:23:29 | approved |
| S3-243543 | 22/08/2024 15:15:02 | approved |
| S3-243544 | 22/08/2024 15:15:57 | approved |
| S3-243545 | 20/08/2024 16:24:07 | approved |
| S3-243546 | 22/08/2024 15:19:44 | approved |
| S3-243547 | 22/08/2024 15:20:17 | approved |
| S3-243548 | 22/08/2024 15:21:12 | approved |
| S3-243549 | 20/08/2024 16:26:08 | approved |
| S3-243550 | 23/08/2024 09:44:13 | approved |
| S3-243551 | 22/08/2024 15:22:06 | approved |
| S3-243552 | 23/08/2024 09:44:43 | approved |
| S3-243553 | 20/08/2024 16:27:00 | approved |
| S3-243554 | 22/08/2024 15:23:40 | approved |
| S3-243555 | 23/08/2024 10:23:44 | reserved |
| S3-243556 | 23/08/2024 10:24:07 | reserved |
| S3-243557 | 23/08/2024 10:23:36 | reserved |
| S3-243558 | 21/08/2024 17:03:09 | approved |
| S3-243559 | 22/08/2024 16:12:35 | withdrawn |
| S3-243560 | 23/08/2024 06:38:29 | approved |
| S3-243561 | 23/08/2024 06:38:45 | approved |
| S3-243562 | 23/08/2024 06:39:19 | approved |
| S3-243563 | 23/08/2024 06:39:46 | approved |
| S3-243564 | 23/08/2024 06:40:06 | approved |
| S3-243565 | 23/08/2024 06:40:29 | approved |
| S3-243565 | 23/08/2024 06:40:31 | noted |
| S3-243565 | 23/08/2024 10:04:58 | approved |
| S3-243566 | 23/08/2024 10:05:26 | approved |
| S3-243567 | 23/08/2024 10:23:53 | reserved |
| S3-243568 | 23/08/2024 06:43:05 | approved |
| S3-243569 | 23/08/2024 06:44:21 | approved |
| S3-243570 | 23/08/2024 06:46:03 | approved |
| S3-243571 | 23/08/2024 06:46:30 | approved |
| S3-243572 | 23/08/2024 10:08:06 | approved |
| S3-243573 | 23/08/2024 06:36:59 | noted |
| S3-243574 | 21/08/2024 07:34:36 | approved |
| S3-243574 | 23/08/2024 06:50:20 | withdrawn |
| S3-243575 | 23/08/2024 06:51:51 | approved |
| S3-243575 | 23/08/2024 06:51:55 | noted |
| S3-243575 | 23/08/2024 10:09:16 | approved |
| S3-243576 | 23/08/2024 06:52:32 | approved |
| S3-243577 | 23/08/2024 07:06:55 | approved |
| S3-243578 | 23/08/2024 06:54:01 | approved |
| S3-243579 | 23/08/2024 06:55:14 | approved |
| S3-243580 | 23/08/2024 06:55:53 | approved |
| S3-243581 | 23/08/2024 06:56:16 | approved |
| S3-243582 | 23/08/2024 06:57:33 | approved |
| S3-243583 | 23/08/2024 06:58:50 | approved |
| S3-243584 | 23/08/2024 07:00:11 | approved |
| S3-243585 | 23/08/2024 07:00:32 | approved |
| S3-243586 | 23/08/2024 07:00:53 | approved |
| S3-243587 | 23/08/2024 07:01:28 | approved |
| S3-243588 | 23/08/2024 07:01:38 | approved |
| S3-243589 | 23/08/2024 07:02:52 | approved |
| S3-243590 | 23/08/2024 07:11:29 | approved |
| S3-243591 | 23/08/2024 07:08:26 | approved |
| S3-243592 | 23/08/2024 07:08:56 | approved |
| S3-243593 | 23/08/2024 07:09:18 | approved |
| S3-243594 | 23/08/2024 07:09:41 | approved |
| S3-243595 | 23/08/2024 07:10:01 | approved |
| S3-243596 | 23/08/2024 07:10:24 | approved |
| S3-243597 | 23/08/2024 07:10:48 | approved |
| S3-243598 | 23/08/2024 07:31:29 | approved |
| S3-243599 | 23/08/2024 10:24:03 | reserved |
| S3-243600 | 23/08/2024 07:33:05 | approved |
| S3-243601 | 21/08/2024 12:19:05 | approved |
| S3-243602 | 23/08/2024 07:35:35 | approved |
| S3-243603 | 23/08/2024 10:23:52 | reserved |
| S3-243604 | 22/08/2024 06:10:38 | revised |
| S3-243604 | 23/08/2024 06:32:11 | approved |
| S3-243605 | 23/08/2024 06:33:34 | approved |
| S3-243606 | 23/08/2024 10:24:06 | reserved |
| S3-243607 | 23/08/2024 07:35:58 | approved |
| S3-243608 | 21/08/2024 14:12:41 | approved |
| S3-243609 | 23/08/2024 07:36:21 | approved |
| S3-243610 | 21/08/2024 14:18:57 | approved |
| S3-243611 | 23/08/2024 09:20:56 | approved |
| S3-243612 | 23/08/2024 10:23:27 | reserved |
| S3-243613 | 22/08/2024 13:24:49 | approved |
| S3-243614 | 22/08/2024 13:25:57 | approved |
| S3-243615 | 23/08/2024 09:21:26 | approved |
| S3-243616 | 23/08/2024 11:16:20 | approved |
| S3-243617 | 22/08/2024 14:03:53 | approved |
| S3-243618 | 22/08/2024 14:04:40 | approved |
| S3-243619 | 22/08/2024 14:05:06 | approved |
| S3-243620 | 23/08/2024 09:26:20 | approved |
| S3-243621 | 23/08/2024 09:26:31 | approved |
| S3-243622 | 23/08/2024 09:26:56 | approved |
| S3-243623 | 23/08/2024 09:27:40 | approved |
| S3-243624 | 23/08/2024 09:27:58 | approved |
| S3-243625 | 22/08/2024 14:07:36 | approved |
| S3-243626 | 22/08/2024 14:08:00 | approved |
| S3-243627 | 23/08/2024 07:26:15 | approved |
| S3-243628 | 23/08/2024 07:24:02 | approved |
| S3-243629 | 23/08/2024 07:24:39 | approved |
| S3-243630 | 23/08/2024 07:25:09 | approved |
| S3-243631 | 23/08/2024 07:26:32 | approved |
| S3-243632 | 23/08/2024 07:27:28 | approved |
| S3-243633 | 23/08/2024 07:27:57 | approved |
| S3-243634 | 23/08/2024 07:28:22 | approved |
| S3-243635 | 23/08/2024 07:28:43 | approved |
| S3-243636 | 23/08/2024 07:48:53 | approved |
| S3-243637 | 23/08/2024 07:51:03 | approved |
| S3-243638 | 23/08/2024 07:47:26 | approved |
| S3-243639 | 22/08/2024 17:06:37 | withdrawn |
| S3-243640 | 21/08/2024 16:02:09 | approved |
| S3-243641 | 23/08/2024 09:13:41 | noted |
| S3-243642 | 23/08/2024 10:25:23 | reserved |
| S3-243643 | 22/08/2024 13:12:18 | approved |
| S3-243644 | 22/08/2024 16:31:28 | approved |
| S3-243645 | 22/08/2024 16:31:53 | approved |
| S3-243646 | 22/08/2024 16:32:17 | approved |
| S3-243647 | 22/08/2024 14:45:41 | approved |
| S3-243648 | 22/08/2024 14:46:07 | approved |
| S3-243649 | 22/08/2024 14:46:43 | approved |
| S3-243650 | 23/08/2024 07:42:09 | approved |
| S3-243651 | 23/08/2024 07:42:39 | approved |
| S3-243652 | 23/08/2024 07:43:41 | approved |
| S3-243653 | 23/08/2024 07:44:16 | approved |
| S3-243654 | 23/08/2024 07:44:40 | approved |
| S3-243655 | 23/08/2024 10:23:37 | reserved |
| S3-243656 | 23/08/2024 10:23:28 | reserved |
| S3-243657 | 21/08/2024 16:23:09 | approved |
| S3-243658 | 23/08/2024 10:18:52 | withdrawn |
| S3-243659 | 23/08/2024 09:42:11 | approved |
| S3-243660 | 23/08/2024 10:23:46 | reserved |
| S3-243661 | 22/08/2024 12:45:06 | agreed |
| S3-243662 | 23/08/2024 09:37:56 | approved |
| S3-243663 | 23/08/2024 06:37:27 | approved |
| S3-243664 | 23/08/2024 07:45:22 | withdrawn |
| S3-243664 | 23/08/2024 12:14:47 | noted |
| S3-243665 | 23/08/2024 07:30:56 | approved |
| S3-243666 | 22/08/2024 16:21:50 | noted |
| S3-243667 | 21/08/2024 16:58:04 | noted |
| S3-243668 | 23/08/2024 06:33:03 | approved |
| S3-243669 | 23/08/2024 06:49:34 | approved |
| S3-243670 | 23/08/2024 06:43:37 | approved |
| S3-243671 | 23/08/2024 11:24:07 | agreed |
| S3-243672 | 23/08/2024 06:34:16 | approved |
| S3-243673 | 23/08/2024 06:34:35 | approved |
| S3-243674 | 23/08/2024 06:34:53 | approved |
| S3-243675 | 23/08/2024 06:35:33 | approved |
| S3-243676 | 22/08/2024 15:55:27 | approved |
| S3-243677 | 22/08/2024 15:56:51 | approved |
| S3-243678 | 22/08/2024 15:54:26 | approved |
| S3-243679 | 23/08/2024 08:05:32 | withdrawn |
| S3-243680 | 23/08/2024 10:03:14 | approved |
| S3-243681 | 22/08/2024 16:48:25 | withdrawn |
| S3-243682 | 23/08/2024 08:06:23 | agreed |
| S3-243683 | 23/08/2024 08:07:08 | agreed |
| S3-243684 | 22/08/2024 12:11:53 | agreed |
| S3-243684 | 28/08/2024 11:14:34 | noted |
| S3-243685 | 22/08/2024 12:24:50 | approved |
| S3-243686 | 23/08/2024 08:20:00 | approved |
| S3-243687 | 22/08/2024 12:43:32 | approved |
| S3-243688 | 22/08/2024 12:44:14 | approved |
| S3-243689 | 23/08/2024 10:25:21 | reserved |
| S3-243690 | 23/08/2024 09:34:58 | noted |
| S3-243691 | 23/08/2024 09:41:18 | approved |
| S3-243692 | 23/08/2024 09:43:09 | approved |
| S3-243693 | 22/08/2024 15:13:36 | approved |
| S3-243694 | 22/08/2024 15:17:25 | approved |
| S3-243695 | 22/08/2024 15:19:08 | approved |
| S3-243696 | 22/08/2024 16:12:00 | approved |
| S3-243697 | 22/08/2024 16:30:30 | approved |
| S3-243698 | 23/08/2024 09:46:40 | approved |
| S3-243699 | 23/08/2024 10:23:47 | reserved |
| S3-243700 | 23/08/2024 07:49:55 | approved |
| S3-243701 | 23/08/2024 08:19:10 | approved |
| S3-243702 | 23/08/2024 08:23:09 | agreed |
| S3-243703 | 23/08/2024 06:53:37 | noted |
| S3-243704 | 23/08/2024 07:06:33 | approved |
| S3-243705 | 23/08/2024 10:08:49 | approved |
| S3-243706 | 23/08/2024 10:06:51 | approved |
| S3-243707 | 23/08/2024 11:18:40 | approved |
| S3-243708 | 23/08/2024 11:18:59 | approved |
| S3-243709 | 23/08/2024 06:42:42 | approved |
| S3-243710 | 23/08/2024 06:44:49 | approved |
| S3-243711 | 23/08/2024 06:47:39 | approved |
| S3-243712 | 23/08/2024 06:49:00 | approved |
| S3-243712 | 27/08/2024 09:32:20 | revised |
| S3-243713 | 23/08/2024 06:57:44 | approved |
| S3-243714 | 23/08/2024 10:11:37 | approved |
| S3-243715 | 23/08/2024 07:43:18 | approved |
| S3-243716 | 23/08/2024 07:50:23 | approved |
| S3-243717 | 23/08/2024 07:52:52 | agreed |
| S3-243718 | 23/08/2024 10:24:15 | reserved |
| S3-243719 | 23/08/2024 09:07:28 | approved |
| S3-243720 | 23/08/2024 10:26:34 | reserved |
| S3-243721 | 23/08/2024 10:24:00 | reserved |
| S3-243722 | 23/08/2024 10:23:39 | reserved |
| S3-243723 | 27/08/2024 09:32:21 | approved |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S3-242968 | Editorial Correction of TC\_NO\_SYSTEM\_PRIVILEGES\_WEB\_SERVER | BSI (DE) | 33.117 | 0191 | - | Rel-19 | D | SCAS\_5G\_Maint | not pursued |
| S3-242970 | Clarification on TC\_NO\_CGI\_OR\_SCRIPTING\_FOR\_UPLOADS | BSI (DE) | 33.117 | 0192 | - | Rel-19 | F | SCAS\_5G\_Maint | not pursued |
| S3-242972 | Clarification on TC\_ACCESS\_RIGHTS\_WEB\_SERVER\_FILES | BSI (DE) | 33.117 | 0193 | - | Rel-19 | F | SCAS\_5G\_Maint | not pursued |
| S3-242973 | Clarification on TC\_NO\_DIRECTORY\_LISTINGS | BSI (DE) | 33.117 | 0194 | - | Rel-19 | F | SCAS\_5G\_Maint | not pursued |
| S3-242974 | Clarification on TC\_NO\_WEB\_SERVER\_ERROR\_PAGES\_INFORMATION | BSI (DE) | 33.117 | 0195 | - | Rel-19 | F | SCAS\_5G\_Maint | not pursued |
| S3-242976 | Clarification on TC\_BVT\_PORT\_SCANNING | BSI (DE) | 33.117 | 0196 | - | Rel-19 | F | SCAS\_5G\_Maint | not pursued |
| S3-242978 | Removal of boiler plate texts in format of evidence | BSI (DE) | 33.117 | 0197 | - | Rel-19 | F | SCAS\_5G\_Maint | revised |
| S3-243661 | Removal of boiler plate texts in format of evidence | BSI (DE) | 33.117 | 0197 | 1 | Rel-19 | F | SCAS\_5G\_Maint | not pursued |
| S3-242763 | [MCXSec4] 33180 R19 MC Recording Server Introduction | Airbus | 33.180 | 0212 | - | Rel-19 | C | MCXSec4 | revised |
| S3-243717 | [MCXSec4] 33180 R19 MC Recording Server Introduction | Airbus | 33.180 | 0212 | 1 | Rel-19 | C | MCXSec4 | agreed |
| S3-242831 | Correction to validation of usage of X.509 certificate procedure | Nokia, Nokia Shanghai Bell, Ericsson, Johns Hopkins University APL, Cisco, Huawei | 33.310 | 0202 | - | Rel-19 | A | ACM\_SBA | agreed |
| S3-242832 | Updates to the SBA certificate profile | Nokia, Johns Hopkins University APL, Cisco, Ericsson | 33.310 | 0203 | - | Rel-19 | A | ACM\_SBA | merged |
| S3-243181 | Editorials on updates to the SBA certificate profile | Nokia, Ericsson | 33.310 | 0204 | - | Rel-18 | F | ACM\_SBA | agreed |
| S3-243416 | Editorials on updates to the SBA certificate profile | Nokia, Ericsson | 33.310 | 0204 | 1 | Rel-19 | A | ACM\_SBA | agreed |
| S3-243047 | Adding the requirement of media confidentiality protection for IMS data channel | Huawei, HiSilicon | 33.328 | 0078 | - | Rel-18 | F | NG\_RTC\_SEC | not pursued |
| S3-243048 | Replacing DCMF with MF | Huawei, HiSilicon | 33.328 | 0079 | - | Rel-18 | F | NG\_RTC\_SEC | revised |
| S3-243417 | Replacing DCMF with MF | Huawei, HiSilicon | 33.328 | 0079 | 1 | Rel-18 | F | NG\_RTC\_SEC | agreed |
| S3-243177 | Incorrect statements about 33.310 | Ericsson | 33.401 | 0719 | - | Rel-15 | F | TEI15 | agreed |
| S3-243178 | Incorrect statements about 33.310 | Ericsson | 33.401 | 0720 | - | Rel-16 | A | TEI15 | agreed |
| S3-243179 | Incorrect statements about 33.310 | Ericsson | 33.401 | 0721 | - | Rel-17 | A | TEI15 | agreed |
| S3-243180 | Incorrect statements about 33.310 | Ericsson | 33.401 | 0722 | - | Rel-18 | A | TEI15 | agreed |
| S3-242761 | MPQUIC TLS Annex | Intel Technology India Pvt Ltd | 33.501 | 2030 | - | Rel-18 | B | TEI18 | not pursued |
| S3-242778 | Trust anchoring for N32-f/PRINS | BSI (DE) | 33.501 | 2031 | - | Rel-18 | B | Roaming5G | revised |
| S3-242822 | Trust anchoring for N32-f/PRINS | Federal Office for Information Security (BSI), Nokia | 33.501 | 2031 | 1 | Rel-18 | B | Roaming5G | revised |
| S3-242823 | Trust anchoring for N32-f/PRINS | Federal Office for Information Security (BSI), Nokia | 33.501 | 2031 | 2 | Rel-18 | B | Roaming5G | not pursued |
| S3-242902 | Clarifications for HONTRA procedure with respect to failure cases | ZTE | 33.501 | 2032 | - | Rel-18 | F | HN\_Auth | merged |
| S3-242905 | Message name correction to TS 33.501 | ZTE Corporation | 33.501 | 2033 | - | Rel-18 | F | TEI18 | agreed |
| S3-242951 | Enhancement in UPU procedure to protect UPU header | Nokia | 33.501 | 2034 | - | Rel-18 | F | TEI18 | not pursued |
| S3-242964 | MPQUIC TLS Annex | Intel, Nokia, Charter Communications, | 33.501 | 2035 | - | Rel-18 | F | TEI18 | revised |
| S3-243415 | MPQUIC TLS Annex | Intel, Nokia, Charter Communications, | 33.501 | 2035 | 1 | Rel-18 | B | TEI18 | agreed |
| S3-243064 | Correct the Federal Learning procedure | Huawei, HiSilicon | 33.501 | 2036 | - | Rel-18 | F | eNA\_Ph3\_SEC | revised |
| S3-243414 | Correct the Federal Learning procedure | Huawei, HiSilicon | 33.501 | 2036 | 1 | Rel-18 | F | eNA\_Ph3\_SEC | agreed |
| S3-243067 | Update procedure Security for AI/ML model storage and sharing in TS 33.501 | Huawei, HiSilicon | 33.501 | 2037 | - | Rel-18 | F | eNA\_Ph3\_SEC | not pursued |
| S3-243097 | Resolution of EN concerning the content of AN-parameters. | Nokia, Nokia Shanghai Bell, Ericsson, Huawei, HiSilicon, ZTE | 33.501 | 2038 | - | Rel-18 | F | eNPN\_Ph2 | revised |
| S3-243405 | CR resubmission - the content of AN-parameters | Huawei, HiSilicon | 33.501 | 2038 | 1 | Rel-18 | F | eNPN\_Ph2 | agreed |
| S3-243160 | Validation of the allowed slices in the access token request at NRF | Ericsson | 33.501 | 2039 | - | Rel-18 | F | 5G\_eSBA\_Ph2 | revised |
| S3-243682 | Validation of the allowed slices in the access token request at NRF | Ericsson,Nokia | 33.501 | 2039 | 1 | Rel-18 | F | 5G\_eSBA\_Ph2 | agreed |
| S3-243161 | Validation of the requested slices at NF service producer | Ericsson | 33.501 | 2040 | - | Rel-18 | F | 5G\_eSBA\_Ph2 | revised |
| S3-243683 | Validation of the requested slices at NF service producer | Ericsson,Nokia | 33.501 | 2040 | 1 | Rel-18 | F | 5G\_eSBA\_Ph2 | agreed |
| S3-243163 | Support iat claim in the access token | Ericsson | 33.501 | 2041 | - | Rel-19 | B | TEI19 | not pursued |
| S3-243164 | Public key distribution and Issuer claim verification of the Access Token | Ericsson | 33.501 | 2042 | - | Rel-19 | B | TEI19 | not pursued |
| S3-243185 | SCPAC: Secondary Node key update for SCPAC | Ericsson | 33.501 | 2043 | - | Rel-18 | F | TEI18 | revised |
| S3-243418 | SCPAC: Secondary Node key update for SCPAC | Ericsson | 33.501 | 2043 | 1 | Rel-18 | F | TEI18 | agreed |
| S3-243295 | Clarifications for HONTRA procedure with respect to failure cases | Ericsson | 33.501 | 2044 | - | Rel-18 | F | HN\_Auth | not pursued |
| S3-243679 | Clarifications for HONTRA procedure with respect to failure cases | Ericsson | 33.501 | 2044 | 1 | Rel-18 | F | HN\_Auth | withdrawn |
| S3-243363 | Security for Map-based SS7 interface | IIT Bombay | 33.501 | 2045 | - | Rel-18 | F | SCAS\_5G\_SMSF | not pursued |
| S3-242742 | UPU Header Security | Lenovo | 33.501 | 2046 | - | Rel-18 | F | TEI18 | not pursued |
| S3-243433 | CR for living document TITLE TO BE PROVIDED BY CMCC | China Mobile | 33.501 | 2047 | - | Rel-19 | B | 5GMARCH\_SEC\_Ph3 | agreed |
| S3-242876 | Add clarification on encryption operation for PC5 ProSe discovery | Nokia, Nokia Shanghai Bell | 33.503 | 0204 | - | Rel-17 | F | 5G\_ProSe | agreed |
| S3-242877 | Add clarification on encryption operation for PC5 ProSe discovery | Nokia, Nokia Shanghai Bell | 33.503 | 0205 | - | Rel-18 | A | 5G\_ProSe | agreed |
| S3-243350 | Emergency Service over UE-to-Network relay - PEI status check | Philips International B.V. | 33.503 | 0206 | - | Rel-18 | F | 5G\_ProSe\_Ph2 | withdrawn |
| S3-243383 | Emergency Service over UE-to-Network relay - PEI status check | Philips International B.V | 33.503 | 0207 | - | Rel-18 | F | 5G\_ProSe\_Ph2 | not pursued |
| S3-242981 | Add UDM SCAS test case for checking the authentication verification of a synchronization failure message | BSI (DE) | 33.514 | 0031 | - | Rel-19 | F | SCAS\_5G\_Maint | revised |
| S3-243029 | Add UDM SCAS test case for checking the authentication verification of a synchronization failure message | BSI (DE) | 33.514 | 0031 | 1 | Rel-19 | F | SCAS\_5G\_Ph3, SCAS\_5G\_Maint | not pursued |
| S3-243281 | Test Case for Intra-VNF Communication Interface | Ericsson | 33.527 | 0007 | - | Rel-19 | B | SCAS\_5G\_Maint | not pursued |
| S3-243265 | Completing the Privacy Check of n UEs for Service Exposure to Client UE | Xiaomi, OPPO, Phillips | 33.533 | 0076 | - | Rel-18 | F | Ranging\_SL\_Sec | revised |
| S3-243684 | Completing the Privacy Check of n UEs for Service Exposure to Client UE | Xiaomi, OPPO, Phillips | 33.533 | 0076 | 1 | Rel-18 | F | Ranging\_SL\_Sec | agreed |
| S3-242904 | CR to update AKMA service disable procedure | ZTE Corporation | 33.535 | 0216 | - | Rel-18 | F | AKMA\_Ph2 | merged |
| S3-242952 | AKMA API Name correction along with other editorial corrections | Nokia | 33.535 | 0217 | - | Rel-18 | F | AKMA\_Ph2 | agreed |
| S3-242953 | AAnF Providing VPLMN Id to AF | Nokia, | 33.535 | 0218 | - | Rel-18 | F | AKMA\_Ph2 | not pursued |
| S3-243053 | update to AKMA service disabling | Huawei, HiSilicon | 33.535 | 0219 | - | Rel-18 | F | AKMA\_Ph2 | revised |
| S3-243413 | update to AKMA service disabling | Huawei, HiSilicon | 33.535 | 0219 | 1 | Rel-18 | F | AKMA\_Ph2 | agreed |
| S3-243159 | Editorial correction for AKMA procedures | LG Electronics | 33.535 | 0220 | - | Rel-18 | F | AKMA\_Ph2 | agreed |
| S3-242785 | Supplementary on Solution #6: Collection of security related log data of NFs via DCCF | BSI (DE) | 33.738 | 0003 | - | Rel-18 | B | FS\_eNA\_SEC\_Ph3 | withdrawn |
| S3-242842 | Supplementary on Solution #6: Collection of security related log data of NFs via DCCF | BSI (DE) | 33.738 | 0004 | - | Rel-18 | B | FS\_eNA\_SEC\_Ph3 | withdrawn |
| S3-242843 | Supplementary on Solution #6: Collection of security related log data of NFs via DCCF | China Mobile Com. Corporation | 33.738 | 0005 | - | Rel-18 | B | FS\_eNA\_SEC\_Ph3 | not pursued |
| S3-243702 | Security Assurance Specification (SCAS) threats specific to SMSF | IIT Bombay | 33.926 | 0099 | - | Rel-19 | B | SCAS\_5G\_SMSF | agreed |

## Annex C: Lists of liaisons

### C1: Incoming liaison statements

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Original | Title | From | Decision | Reply TDoc |
| S3-242706 |  | Response to S3-240886 LS on the introduction of the domain ""ipxnetwork.org"" | GSMA 5GMRR | replied to | S3-243676 |
| S3-242707 |  | Reply LS on LS reply on LCS user plane connection binding to the UE | C1-243934 | noted | (none) |
| S3-242708 |  | Reply to LS on differentiating security materials used for PC5 direct discovery for 5G ProSe UE-to-network relay | C1-243949 | noted | (none) |
| S3-242709 |  | Reply LS on CAPIF extensibility | C3-243204 | noted | (none) |
| S3-242710 |  | LS on Resource content filters | C4-241339 | replied to | S3-243678 |
| S3-242711 |  | Reply LS on N32-f N32-c correlation | C4-242393 | noted | (none) |
| S3-242712 |  | LS on Registering JWT claims at IANA | CP-241308 | noted | (none) |
| S3-242713 |  | LS on RFC 9374, "DRIP Entity Tag (DET) for Unmanned Aircraft System Remote ID (UAS RID)" | IETF Drone Remote ID Protocol (DRIP) | noted | (none) |
| S3-242714 |  | LS on RFC 9543, "A Framework for Network Slices in Networks Built from IETF Technologies" | IETF Traffic Engineering Architecture and Signaling Working Group (teas) | noted | (none) |
| S3-242715 |  | LS on a Realization of Network Slices for 5G Networks Using Current IP/MPLS Technologies | IETF Traffic Engineering Architecture and Signaling Working Group (teas) | noted | (none) |
| S3-242716 |  | Reply LS on security of IP transport over satellite transport links | R3-243955 | noted | (none) |
| S3-242717 |  | LS on Avoiding Cross-TSG TEI | RP-241686 | noted | (none) |
| S3-242718 |  | Reply LS on clarification on mobile metaverse services | S1-241351 | noted | (none) |
| S3-242719 |  | LS on the use of TLS with QUIC in ATSSS context | S2-2405459 | noted | (none) |
| S3-242720 |  | Reply LS on ECS Configuration Information | S2-2406888 | noted | (none) |
| S3-242721 |  | LS on security considerations for 5G ProSe multi-hop relays | S2-2407207 | postponed | (none) |
| S3-242722 |  | LS on Clarifications related to User Identities | S2-2407219 | noted | ???? |
| S3-242723 |  | LS on Clarification of requirements for Ambient IoT | S2-2407231 | noted | S3-243239 |
| S3-242724 |  | LS on User Identities and Authentication Architecture | S2-2407236 | replied to | S3-243558 |
| S3-242725 |  | LS on FS\_5GSAT\_Ph3\_ARCH conclusions | S2-2407350 | replied to | S3-243533 |
| S3-242726 |  | LS Reply on Internal 5G Core information expose to trusted AF | S2-2407354 | noted | (none) |
| S3-242727 |  | LS on enhancement to the protocol stack of IMS Data Channel | S4-241373 | postponed | ???? |
| S3-242728 |  | Reply LS on GSMA OPG PRDs publication | S5-243436 | noted | (none) |
| S3-242729 |  | Reply LS on clarifications on consent management | S6-242504 | noted | (none) |
| S3-242730 |  | LS on Clarification related to Internal 5G Core information expose to trusted AF | S6-242714 | postponed | ???? |
| S3-242731 |  | Reply LS on ECS Configuration Information | S6-242733 | noted | (none) |
| S3-242732 |  | Reply LS on request clarification on mobile metaverse services | S6-242734 | noted | ???? |
| S3-242733 |  | Recent attack on polynomial based MACs with short tag | ETSI SAGE | postponed | (none) |
| S3-242734 |  | Reply LS on GSMA OPG PRDs publication | SP-240946 | noted | (none) |
| S3-242735 |  | Reply LS on data plane control by roaming hubs | SP-241014 | noted | (none) |
| S3-242736 |  | LS on Security considerations for MPQUIC | SP-241015 | noted | (none) |
| S3-242737 |  | LS on Support for Ambient IoT Security | SP-241016 | noted | (none) |
| S3-242738 |  | Reply LS on enhancement to the protocol stack of IMS Data Channel | s3i240475 | noted | (none) |
| S3-242739 |  | Reply LS to SA2 on User Identities and Authentication Architecture | s3i240476 | noted | (none) |
| S3-242740 |  | Reply LS to SA2 on FS\_5GSAT\_Ph3\_ARCH conclusions | s3i240477 | noted | (none) |
| S3-242741 |  | Reply LS to SA3 on LI considerations for TR 33.757 | s3i240502 | replied to | S3-243410 |
| S3-242753 |  | LS on RAN2 agreements and assumptions for Ambient IoT | R2-2406150 | noted | (none) |
| S3-242756 |  | LS reply on LS on support of SSIM on eUICC | C6-240261 | noted | (none) |
| S3-242757 |  | Reply LS on Security Considerations for MPQUIC | IETF QUIC Working Group (QUIC) | noted | (none) |
| S3-242758 |  | Newly published data channel GSMA PRD TS.66 | GSMA | replied to | S3-243411 |
| S3-243366 |  | LS on obtaining user consent for the exposure of User Sensitive Information | S6a240323 | postponed | (none) |
| S3-243390 |  | LS reply to 3GPP Reply-LS on PQC Migration | GSMA | postponed | (none) |
| S3-243391 |  | LS on clarification on home network triggered re-authentication | C4-235577 | replied to | S3-243412 |
| S3-243393 |  | Newly published data channel GSMA PRD TS.66 | GSMA | withdrawn | (none) |
| S3-243394 |  | Version 2.0 of 256-bit AICI. | ETSI SAGE | postponed | (none) |

### C2: Outgoing liaison statements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Document | Title | To | Cc | reply to i/c LS |
| S3-243410 | Reply LS on LI considerations for TR 33.757 | SA3-LI | SA2 | S3-242741 |
| S3-243411 | Reply LS on Newly published data channel GSMA PRD TS.66 | SA | SA2, SA4, SA6, RAN5 | S3-242758 |
| S3-243412 | Reply LS on clarification on home network triggered re-authentication | CT4 | - | S3-243391 |
| S3-243518 | Alignment of terminology of 5G femto | SA2 | RAN2,RAN3 |  |
| S3-243533 | LS on reply to LS on FS\_5GSAT\_Ph3\_ARCH conclusions | SA2 | SA3-LI, RAN2 | S3-242725 |
| S3-243558 | LS Replay on User Identities and Authentication Architecture | SA2 | SA3-LI, SA1 | S3-242724 |
| S3-243676 | LS on aggregation and other N32 topics in the context of mediated roaming | GSMA 5GMRR | CT4 | S3-242706 |
| S3-243677 | LS on GSMA non compliance with 3GPP specifications on 5G Roaming over Roaming Intermediaries | TSG SA | CT4 | S3-242706 |
| S3-243678 | Reply LS on Resource content filter | CT4 | - | S3-242710 |
| S3-243696 | LS on Masking of cryptographic keys in UE trace file from 3GPP core network entities | SA5 | - | - |

## Annex D: List of agreed/approved new and revised Work Items

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Title | Source | new/revised |
| S3-243671 | New WID on Security for MonStra | Vodafone, Telefonica, Nokia, Nokia Shanghai Bell | WID new |
| S3-242975 | Revised WID on Milenage-256 algorithm | THALES, IDEMIA | WID revised |
| S3-243325 | Update of WID on Security for mobility over non-3GPP access to avoid full primary authentication | Qualcomm Incorporated | WID revised |

## Annex E: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S3-243375 | 33.700-22 | 0.0.0 | draft\_TR 33.700-22 skeleton FS\_CAPIF\_Ph3-sec |
| S3-243392 | 33.784 | 0.3.0 | Draft TR 33.784 |
| S3-243421 | 33.529 | 0.6.0 | Draft TS 33.529 |
| S3-243425 | 35.234 | 0.2.0 | Draft TS 35.234 |
| S3-243426 | 35.235 | 0.2.0 | Draft TS 35.235 |
| S3-243427 | 35.236 | 0.2.0 | Draft TS 35.236 |
| S3-243445 | 33.700-32 | 0.3.0 | Draft TR 33.700-32 |
| S3-243468 | 33.757 | 0.4.0 | Draft TR 33.757 |
| S3-243555 | 33.700-29 | 0.4.0 | Draft TR 33.700-29 |
| S3-243556 | 33.745 | 0.3.0 | Draft TR 33.745 |
| S3-243557 | 33.701 | 1.1.0 | Draft TR 33.701 |
| S3-243567 | 33.743 | 0.3.0 | Draft TR 33.743 |
| S3-243599 | 33.754 | 0.3.0 | Draft TR 33.754 |
| S3-243603 | 33.759 | 0.3.0 | Draft TR 33.759 |
| S3-243606 | 33.766 | 0.3.0 | Drraft TR 33.766 |
| S3-243612 | 33.794 | 0.4.0 | Draft TR 33.794 |
| S3-243637 | 33.700-22 | 0.0.0 | draft\_TR 33.700-22 skeleton FS\_CAPIF\_Ph3-sec |
| S3-243655 | 33.700-41 | 0.3.0 | Draft TR 33.700-41 |
| S3-243656 | 33.790 | 0.4.0 | Draft TR 33.790 |
| S3-243658 | 33.700-22 | 0.1.0 | Draft TR 33.700-22 |
| S3-243660 | 33.702 | 0.4.0 | Draft TR 33.702 |
| S3-243699 | 33.713 | 0.3.0 | Draft TR 33.713 |
| S3-243718 | 33.700-22 | 0.1.0 | Draft TR 33.700-22 |
| S3-243720 | 33.721 | 0.3.0 | Draft TR 33.721 |
| S3-243721 | 33.749 | 0.3.0 | Draft TR 33.749 |
| S3-243722 | 33.776 | 0.4.0 | Draft TR 33.776 |

## Annex F: List of action items

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Meeting/Number | Agenda item | Document | Details | Responsible | Due by |
| 117/1 | 4.8 | 428 - 430 | Check draftCRs S3-243428, S3-243429, S3-243430, and S3-243430 in respect of deprecated algorithms and provide feedback for SA3#118 and SA3#119 in Orlando | All companies | 2024-11-11 |

## Annex G: List of participants

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
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| Mr. | Pica | Francesco | Qualcomm Incorporated | Qualcomm Korea | TTA |
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| Dr. | Pu | Hongyi | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Telecommunication India | TSDSI |
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| Dr. | Wang | Yaxin | OPPO | Shenzhen Heytap | CCSA |
| Dr. | Wang | Zhaoning | China Unicom | CU Digital Technology | CCSA |
| Dr. | Wang | Zhibi | InterDigital Communications | InterDigital New York | ATIS |
| Ms. | Warren | Denisha | U.S. National Security Agency | U.S. National Security Agency | ATIS |
| Mr. | Wong | Marcus | OPPO | Guangdong OPPO Mobile Telecom. | CCSA |
| Ms. | WU | Dan | Apple Trading | Apple Inc | ATIS |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Xiaomi Electronic Software | CCSA |
| Mr. | Wu | Xiaobo | vivo Mobile Communication Co., | vivo Wisdom Technology | CCSA |
| Mr. | Wu | Zhibin | Apple Benelux B.V. | Apple (Guizhou) | CCSA |
| Mrs. | Xiang | Amanda | Futurewei Technologies | Futurewei Technologies | ATIS |
| Dr. | Xiao | Xun | HUAWEI TECH. GmbH | HUAWEI Technologies Japan K.K. | ARIB |
| Mr. | Xie | Baoguo | ZTE Corporation | ZTE | TSDSI |
| Mr. | Xie | Zhenhua | vivo Mobile Communication Co., | Nanjing vivo Software Tech. | CCSA |
| Mr. | Xing | TianQi | China Unicom | China Unicom | CCSA |
| Mr. | Xing | Zhen | China Unicom | CUG | CCSA |
| Miss | Xiong | Lihui | OPPO | Realme (Shenzhen) | CCSA |
| Ms. | Xu | Fangli | Apple Computer Trading Co. Ltd | Apple (UK) Limited | ETSI |
| Mr. | Xu | Yang | Guangdong OPPO Mobile Telecom. | OPPO (chongqing) Intelligence | CCSA |
| Ms. | Xu | Yishan | Huawei Technologies R&D UK | Huawei Technologies (Korea) | TTA |
| Miss | Yan | Xiaojian | ZTE Corporation | ZTE Deutschland | ETSI |
| Dr. | Yao | Ge | China Unicom | VSENS | CCSA |
| Mr. | You | Shilin | ZTE Corporation | ZTE Korea Limited | TTA |
| Dr. | Yue | Yi | China Unicom | Unicom Broadband Online | CCSA |
| Dr. | Zebchuk | Jason | MARVELL HISPANIA, S.L. | Marvell Technology, Inc. | ATIS |
| Dr. | Zhang | Amy | vivo Mobile Communication Co., | vivo Software Technology | CCSA |
| Dr. | Zhang | Bo | HUAWEI TECHNOLOGIES Co. Ltd. | HuaWei Technologies Co., Ltd | CCSA |
| Dr. | Zhang | Dawei | Apple France | Apple France | ETSI |
| Miss | Zhang | Juan | Qualcomm Korea | QUALCOMM JAPAN LLC. | ARIB |
| Mr. | Zhang | Kefeng | Qualcomm Incorporated | Qualcomm Incorporated | ATIS |
| Ms. | Zhang | Leyi | ZTE FRANCE SASU | CALTTA | CCSA |
| Mr. | Zhang | Yizhong | vivo Mobile Communication (S) | vivo Mobile Communication (H) | CCSA |
| Miss | Zhang | Yuying | China Telecom Corporation Ltd. | Esurfing IoT | CCSA |
| Ms. | ZHAO | BEI | China Mobile Com. Corporation | China Mobile Com. Corporation | CCSA |
| Mr. | Zhao | Zheng | Verizon UK Ltd | Verizon Finland | ETSI |
| Ms. | Zheng | Shaowen | China Mobile Com. Corporation | China Mobile (Hangzhou) Inf. | CCSA |
| Mr. | Zhou | Wei | CATT | CATT | CCSA |
| Miss | Zhou | Xingyue | ZTE Corporation | ZTE Corporation | CCSA |
| Mr. | Zhu | Jinguo | ZTE Corporation | ZTE FRANCE SASU | ETSI |
| Mr. | Zisimopoulos | Haris | Qualcomm Technologies Int | Qualcomm Germany | ETSI |
| Dr. | Zugenmaier | Alf | NTT DOCOMO INC. | NTT DOCOMO INC.. | ARIB |

## Annex H: List of future meetings

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| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA3#95-LI | 2024-10-29 | 2024-11-01 | US | US | S3-95-LI |
| SA3#119 | 2024-11-11 | 2024-11-15 | Orlando | US | S3-119 |
| SA3#120 | 2025-02-17 | 2025-02-21 | Athens | Greece | S3-120 |