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

 **Meeting Report
for
TSG SA WG3
meeting: 114 Adhoc-e**

**Electronic meeting, Online, 22/01/2024 to 26/01/2024**

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## 1 Agenda and Meeting Objectives

**S3-240000 Agenda**

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

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

**S3-240001 Detailed agenda**

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

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

**S3-240002 Emeeting process**

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

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

## 2 Meeting Reports

**S3-240137 SA3 leadership notes**

 *Type: report For: Information
 Source: SA WG3 Chair*

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

## 3 Reports and Liaisons from other Groups ( related to SCAS)

## 4 Work areas

### 4.1 Maintenance (Rel-15/16/17/18)

#### 4.1.1 Security Assurance

**S3-240003 GSMA clarification: no unused software**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0134 Cat: F (Rel-18)

 Source: BSI (DE)*

**Decision:** The document was **revised to S3-240080**.

**S3-240120 Updates to Section 4.3.6.4 of TS 33.117 for clarification**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0177 rev 1 Cat: F (Rel-18)

 Source: IIT Bombay*

(Replaces S3-240074)

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

**S3-240004 GSMA clarification: no unused functions**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0135 Cat: F (Rel-18)

 Source: BSI (DE)*

**Decision:** The document was **revised to S3-240081**.

**S3-240005 GSMA clarification: no unsupported components**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0136 Cat: F (Rel-18)

 Source: BSI (DE)*

**Decision:** The document was **revised to S3-240082**.

**S3-240006 GSMA clarification: Filesystem Authorization privileges**

 *Type: CR For: (not specified)
 33.117 v18.2.0 CR-0137 Cat: F (Rel-18)

 Source: BSI (DE)*

**Decision:** The document was **revised to S3-240083**.

**S3-240007 Correct RRC connection reconfiguration to RRC reconfiguration**

 *Type: CR For: Agreement
 33.523 v18.1.0 CR-0004 Cat: F (Rel-18)

 Source: Qualcomm Incorporated*

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

**S3-240008 Test Case on Password Storage Support**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0138 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell, BSI*

**Decision:** The document was **revised to S3-240098**.

**S3-240009 Test Case on No Default Content**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0139 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-240099**.

**S3-240010 Test Case on No Directory Listings**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0140 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-240100**.

**S3-240011 Test Case on No Web Server Header Info**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0141 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-240101**.

**S3-240012 Test Case on No Web Server Error Pages Info**

 *Type: CR For: (not specified)
 33.117 v18.2.0 CR-0142 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-240102**.

**S3-240013 Test Case on No Web Server File Type Mappings**

 *Type: CR For: (not specified)
 33.117 v18.2.0 CR-0143 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

**Decision:** The document was **revised to S3-240103**.

**S3-240014 Assessment tool definition**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0144 Cat: F (Rel-18)

 Source: Keysight Technologies UK Ltd*

**Abstract:**

Added description of assessment tool

**Decision:** The document was **revised to S3-240109**.

**S3-240015 Discussion Paper on PCF SCAS contents**

 *Type: discussion For: Agreement
 33.528 v..
 Source: BSI (DE)*

**Abstract:**

During the PCF analysis, it became apparent that the PCF NF performs a maintenance

function. This means that policies are stored and received by a similar network

function type (NFType). For instance, the AM Policy Authorization and AM Policy

Control func

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

**S3-240016 Improving the SCAS specification way of work**

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

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

**S3-240017 Minimized kernel network functions (TC\_ IP\_MULTICAST\_HANDLING)**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0145 Cat: F (Rel-18)

 Source: Deutsche Telekom AG*

**Abstract:**

Rewrite of test case so it is objective and meets the NESAS purpose.

**Decision:** The document was **revised to S3-240088**.

**S3-240018 No automatic launch of removable media [TC\_NO\_AUTO\_LAUNCH\_OF\_REMOVABLE\_MEDIA]**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0146 Cat: F (Rel-18)

 Source: Deutsche Telekom AG*

**Abstract:**

The current wording is grammatically incorrect and could potentially confuse the reader about what is actually being automatically launched: the removable media or the Network Product. To avoid this ambiguity, it is proposed to change the requirente to “N

**Decision:** The document was **revised to S3-240089**.

**S3-240019 Syn Flood Prevention [TC\_SYN\_FLOOD\_PREVENTION]**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0147 Cat: F (Rel-18)

 Source: Deutsche Telekom AG*

**Abstract:**

Rewrite of test case so it is objective and meets the NESAS purpose.

**Decision:** The document was **revised to S3-240090**.

**S3-240020 External file system mount restrictions (TC\_EXTERNAL\_FILE\_SYSTEM \_MOUNT\_RESTRICTIONS)**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0148 Cat: F (Rel-18)

 Source: Deutsche Telekom AG*

**Abstract:**

Rewrite of test case so it is objective and meets the NESAS purpose.

**Decision:** The document was **revised to S3-240091**.

**S3-240026 Clarification of bootable memory device test**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0149 Cat: B (Rel-18)

 Source: BSI (DE)*

**Decision:** The document was **revised to S3-240084**.

**S3-240027 Clarification of UP Integrity Protection test cases for eNB**

 *Type: CR For: Approval
 33.216 v18.0.0 CR-0026 Cat: F (Rel-18)

 Source: BSI (DE)*

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

**S3-240028 Clarification of UP IP selection and bidding down prevention of eNB**

 *Type: CR For: Approval
 33.216 v18.0.0 CR-0027 Cat: F (Rel-18)

 Source: BSI (DE)*

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

**S3-240029 Added parameters to NRF discovery authorization**

 *Type: CR For: Approval
 33.518 v18.0.0 CR-0005 Cat: F (Rel-18)

 Source: BSI (DE)*

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

**S3-240030 Added parameters to NRF discovery authorization threat reference**

 *Type: CR For: Approval
 33.926 v18.2.0 CR-0082 Cat: F (Rel-18)

 Source: BSI (DE)*

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

**S3-240031 Clarification and simplification of test cases regarding UP CP and IP activation at split-gNB**

 *Type: CR For: Approval
 33.523 v18.1.0 CR-0005 Cat: F (Rel-18)

 Source: BSI (DE)*

**Decision:** The document was **revised to S3-240085**.

**S3-240032 Clarification of test cases on user data IP and CP in split-gNB**

 *Type: CR For: Approval
 33.523 v18.1.0 CR-0006 Cat: F (Rel-18)

 Source: BSI (DE)*

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

**S3-240033 Removal of note in GVNP lifecyle management**

 *Type: CR For: Approval
 33.527 v18.1.0 CR-0002 Cat: F (Rel-18)

 Source: BSI (DE)*

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

**S3-240034 Fixed typo in VNF traffic separation test case**

 *Type: CR For: Approval
 33.527 v18.1.0 CR-0003 Cat: F (Rel-18)

 Source: BSI (DE)*

**Decision:** The document was **revised to S3-240087**.

**S3-240035 Clarifications to Basic Vulnerability test cases**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0150 Cat: F (Rel-18)

 Source: MITRE Corporation*

**Abstract:**

Provide clarifications on the testing tools, tool configuration, and procedures in BVT clauses 4.4.1, 4.4.2, 4.4.3, and 4.4.4

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

**S3-240036 Update to the clause 4.2.2.2.2 - Protection at the transport layer**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0151 Cat: F (Rel-18)

 Source: Samsung*

**Decision:** The document was **revised to S3-240092**.

**S3-240037 Update to the clause 4.2.3.2.4 - Protecting data and information in transfer**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0152 Cat: F (Rel-18)

 Source: Samsung*

**Decision:** The document was **revised to S3-240094**.

**S3-240038 Update to the clause 4.2.3.3.2 - Boot from intended memory devices only**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0153 Cat: F (Rel-18)

 Source: Samsung*

**Decision:** The document was **revised to S3-240095**.

**S3-240039 Update to the clause 4.2.3.4.1.1 - System functions shall not be used without successful authentication and authorization**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0154 Cat: F (Rel-18)

 Source: Samsung*

**Decision:** The document was **revised to S3-240096**.

**S3-240040 Update to the clause 4.2.3.4.3.1 - Password Structure**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0155 Cat: F (Rel-18)

 Source: Samsung*

**Decision:** The document was **revised to S3-240097**.

**S3-240041 Updates threat references to TS 33.117 - clauses 4.2.2 to 4.2.3**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0156 Cat: F (Rel-18)

 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-240111**.

**S3-240042 Updates threat references to TS 33.117 - clauses 4.2.4 to 4.2.6**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0157 Cat: F (Rel-18)

 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-240112**.

**S3-240043 Updates threat references to TS 33.117 - clauses 4.3.2**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0158 Cat: F (Rel-18)

 Source: ZTE Corporation*

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

**S3-240044 Updates threat references to TS 33.117 - clauses 4.3.3**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0159 Cat: F (Rel-18)

 Source: ZTE Corporation*

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

**S3-240045 Updates threat references to TS 33.117 - clauses 4.3.4 to 4.3.5**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0160 Cat: F (Rel-18)

 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-240113**.

**S3-240046 Updates threat references to TS 33.117 - clause 4.4.2 to 4.4.4**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0161 Cat: F (Rel-18)

 Source: ZTE Corporation*

**Decision:** The document was **revised to S3-240114**.

**S3-240047 Changes to 4.2.4.1.2.1**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0162 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

**Decision:** The document was **revised to S3-240123**.

**S3-240048 TS33.117\_Changes to 4.2.4.2.2**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0163 Cat: F (Rel-18)

 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-240124**.

**S3-240049 TS33.117\_Changes to 4.2.5.3**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0164 Cat: F (Rel-18)

 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-240125**.

**S3-240050 TS33.117\_Changes to 4.2.6.2.1**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0165 Cat: F (Rel-18)

 Source: Huawei, HiSilicon*

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

**S3-240051 Changes to 4.3.2.1**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0166 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

**Decision:** The document was **revised to S3-240127**.

**S3-240052 Changes to 4.2.2.1.8 in TS 33.511**

 *Type: CR For: Agreement
 33.511 v18.2.0 CR-0055 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

**Decision:** The document was **revised to S3-240128**.

**S3-240053 Changes to 4.2.2.1.12 in TS 33.511**

 *Type: CR For: Agreement
 33.511 v18.2.0 CR-0056 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

**Decision:** The document was **revised to S3-240129**.

**S3-240054 TS33.117\_Changes to 4.2.2.2.2**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0167 Cat: F (Rel-18)

 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-240130**.

**S3-240055 Add certificate enrolment to TS 33.511**

 *Type: CR For: Agreement
 33.511 v18.2.0 CR-0057 Cat: B (Rel-18)

 Source: Huawei; HiSilicon*

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

**S3-240056 Peer certificate checking at gNB to TS 33.511**

 *Type: CR For: Agreement
 33.511 v18.2.0 CR-0058 Cat: B (Rel-18)

 Source: Huawei; HiSilicon*

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

**S3-240057 Add threat to certificate enrolment**

 *Type: CR For: Agreement
 33.926 v18.2.0 CR-0083 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

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

**S3-240058 Add threat to peer certificate checking at gNB**

 *Type: CR For: Agreement
 33.926 v18.2.0 CR-0084 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

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

**S3-240059 Test case update to TS 33.511**

 *Type: CR For: Agreement
 33.511 v18.2.0 CR-0059 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

**Decision:** The document was **revised to S3-240131**.

**S3-240060 Change RRC SQN to PDCP COUNT**

 *Type: CR For: Agreement
 33.511 v16.11.0 CR-0060 Cat: F (Rel-16)

 Source: Huawei, HiSilicon*

**Decision:** The document was **revised to S3-240132**.

**S3-240061 [mirror] correction to TS 33.511**

 *Type: CR For: Agreement
 33.511 v17.5.0 CR-0061 Cat: A (Rel-17)

 Source: Huawei, HiSilicon*

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

**S3-240062 [mirror] correction to TS 33.511**

 *Type: CR For: Agreement
 33.511 v18.2.0 CR-0062 Cat: A (Rel-18)

 Source: Huawei, HiSilicon*

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

**S3-240063 Clarification for 4.3.4.2 - 33.117**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0168 Cat: F (Rel-18)

 Source: Keysight Technologies UK Ltd*

**Abstract:**

Added clarifications in the test case

**Decision:** The document was **revised to S3-240115**.

**S3-240064 Change RRC SQN to PDCP COUNT**

 *Type: CR For: Agreement
 33.511 v18.2.0 CR-0063 Cat: A (Rel-18)

 Source: Huawei; HiSilicon*

**Decision:** The document was **revised to S3-240133**.

**S3-240065 Change RRC SQN to PDCP COUNT**

 *Type: CR For: Agreement
 33.511 v17.5.0 CR-0064 Cat: A (Rel-17)

 Source: Huawei; HiSilicon*

**Decision:** The document was **revised to S3-240134**.

**S3-240066 Clarification for 4.3.4.3 - 33.117**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0169 Cat: F (Rel-18)

 Source: Keysight Technologies UK Ltd*

**Decision:** The document was **revised to S3-240116**.

**S3-240067 Log transfer to centralized storage**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0170 Cat: F (Rel-18)

 Source: Ericsson*

**Abstract:**

Removes subjectivity (“standard protocols”, “secure protocol” and “secure standard protocol”).

**Decision:** The document was **revised to S3-240104**.

**S3-240068 Growing content shall not influence system functions**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0171 Cat: F (Rel-18)

 Source: Ericsson*

**Abstract:**

Correction to text.

**Decision:** The document was **revised to S3-240105**.

**S3-240069 Processing of ICMPv4 and ICMPv6 packets**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0172 Cat: F (Rel-18)

 Source: Ericsson*

**Abstract:**

Correction to test case 4.2.4.1.1.2 to remove subjectivity.

**Decision:** The document was **revised to S3-240106**.

**S3-240070 Handling of IP options and extensions**

 *Type: CR For: (not specified)
 33.117 v18.2.0 CR-0173 Cat: F (Rel-18)

 Source: Ericsson*

**Abstract:**

It is suggested to reference RFC 7126, instead of using “unnecessary options”.

**Decision:** The document was **revised to S3-240107**.

**S3-240071 Editorial Updates to Section 4.3.5.1 of TS 33.117 for clarification**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0174 Cat: F (Rel-18)

 Source: IIT Bombay*

**Decision:** The document was **revised to S3-240117**.

**S3-240072 Editorial Updates to Section 4.3.6.2 of TS 33.117 for clarification**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0175 Cat: F (Rel-18)

 Source: IIT Bombay*

**Decision:** The document was **revised to S3-240117**.

**S3-240073 Editorial Updates to Section 4.3.6.3 of TS 33.117 for clarification**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0176 Cat: F (Rel-18)

 Source: IIT Bombay*

**Decision:** The document was **revised to S3-240119**.

**S3-240074 Editorial Updates to Section 4.3.6.4 of TS 33.117 for clarification**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0177 Cat: F (Rel-18)

 Source: IIT Bombay*

**Decision:** The document was **revised to S3-240120**.

**S3-240080 GSMA clarification: no unused software**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0134 rev 1 Cat: F (Rel-18)

 Source: BSI (DE)*

(Replaces S3-240003)

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

**S3-240081 GSMA clarification: no unused functions**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0135 rev 1 Cat: F (Rel-18)

 Source: BSI (DE)*

(Replaces S3-240004)

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

**S3-240082 GSMA clarification: no unsupported components**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0136 rev 1 Cat: F (Rel-18)

 Source: BSI (DE)*

(Replaces S3-240005)

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

**S3-240083 GSMA clarification: Filesystem Authorization privileges**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0137 rev 1 Cat: F (Rel-18)

 Source: BSI (DE)*

(Replaces S3-240006)

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

**S3-240084 Clarification of bootable memory device test**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0149 rev 1 Cat: B (Rel-18)

 Source: BSI (DE)*

(Replaces S3-240026)

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

**S3-240085 Clarification and simplification of test cases regarding UP CP and IP activation at split-gNB**

 *Type: CR For: Approval
 33.523 v18.1.0 CR-0005 rev 1 Cat: F (Rel-18)

 Source: BSI (DE)*

(Replaces S3-240031)

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

**S3-240086 Removal of note in GVNP lifecyle management**

 *Type: CR For: Approval
 33.527 v18.1.0 CR-0002 rev 1 Cat: F (Rel-18)

 Source: BSI (DE)*

(Replaces S3-240033)

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

**S3-240087 Fixed typo in VNF traffic separation test case**

 *Type: CR For: Approval
 33.527 v18.1.0 CR-0003 rev 1 Cat: D (Rel-18)

 Source: BSI (DE)*

(Replaces S3-240034)

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

**S3-240088 Minimized kernel network functions (TC\_ IP\_MULTICAST\_HANDLING)**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0145 rev 1 Cat: F (Rel-18)

 Source: Deutsche Telekom AG*

(Replaces S3-240017)

**Abstract:**

Rewrite of test case so it is objective and meets the NESAS purpose.

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

**S3-240089 No automatic launch of removable media [TC\_NO\_AUTO\_LAUNCH\_OF\_REMOVABLE\_MEDIA]**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0146 rev 1 Cat: F (Rel-18)

 Source: Deutsche Telekom AG*

(Replaces S3-240018)

**Abstract:**

The current wording is grammatically incorrect and could potentially confuse the reader about what is actually being automatically launched: the removable media or the Network Product. To avoid this ambiguity, it is proposed to change the requirente to “N

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

**S3-240090 Syn Flood Prevention [TC\_SYN\_FLOOD\_PREVENTION]**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0147 rev 1 Cat: F (Rel-18)

 Source: Deutsche Telekom AG*

(Replaces S3-240019)

**Abstract:**

Rewrite of test case so it is objective and meets the NESAS purpose.

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

**S3-240091 External file system mount restrictions (TC\_EXTERNAL\_FILE\_SYSTEM \_MOUNT\_RESTRICTIONS)**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0148 rev 1 Cat: F (Rel-18)

 Source: Deutsche Telekom AG*

(Replaces S3-240020)

**Abstract:**

Rewrite of test case so it is objective and meets the NESAS purpose.

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

**S3-240092 Update to the clause 4.2.2.2.2 - Protection at the transport layer**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0151 rev 1 Cat: F (Rel-18)

 Source: Samsung*

(Replaces S3-240036)

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

**S3-240093 Update to the clause 4.2.2.2.2 - Protection at the transport layer**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0151 rev 2 Cat: F (Rel-18)

 Source: Samsung*

(Replaces S3-240036)

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

**S3-240094 Update to the clause 4.2.3.2.4 - Protecting data and information in transfer**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0152 rev 1 Cat: F (Rel-18)

 Source: Samsung*

(Replaces S3-240037)

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

**S3-240095 Update to the clause 4.2.3.3.2 - Boot from intended memory devices only**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0153 rev 1 Cat: F (Rel-18)

 Source: Samsung*

(Replaces S3-240038)

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

**S3-240096 Update to the clause 4.2.3.4.1.1 - System functions shall not be used without successful authentication and authorization**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0154 rev 1 Cat: F (Rel-18)

 Source: Samsung*

(Replaces S3-240039)

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

**S3-240097 Update to the clause 4.2.3.4.3.1 - Password Structure**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0155 rev 1 Cat: F (Rel-18)

 Source: Samsung*

(Replaces S3-240040)

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

**S3-240098 Test Case on Password Storage Support (TC\_PSW\_STOR\_SUPPORT)**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0138 rev 1 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell, BSI*

(Replaces S3-240008)

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

**S3-240099 GSMA review - Test Case on No Default Content (TC\_NO\_DEFAULT\_CONTENT)**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0139 rev 1 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-240009)

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

**S3-240100 GSMA Review - Test Case on No Directory Listings (TC\_NO\_DIRECTORY\_LISTINGS)**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0140 rev 1 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-240010)

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

**S3-240101 GSMA review - Test Case on No Web Server Header Info (TC\_NO\_WEB\_SERVER\_ HEADER\_INFORMATION)**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0141 rev 1 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-240011)

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

**S3-240102 GSMA review - Test Case on No Web Server Error Pages Info (TC\_NO\_WEB\_SERVER\_ERROR\_ PAGES\_INFORMATION)**

 *Type: CR For: (not specified)
 33.117 v18.2.0 CR-0142 rev 1 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-240012)

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

**S3-240103 GSMA review - Test Case on No Web Server File Type Mappings (TC\_NO\_WEB\_SERVER\_FILE\_TYPE MAPPINGS)**

 *Type: CR For: (not specified)
 33.117 v18.2.0 CR-0143 rev 1 Cat: F (Rel-18)

 Source: Nokia, Nokia Shanghai Bell*

(Replaces S3-240013)

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

**S3-240104 Log transfer to centralized storage**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0170 rev 1 Cat: F (Rel-18)

 Source: Ericsson*

(Replaces S3-240067)

**Abstract:**

Removes subjectivity (“standard protocols”, “secure protocol” and “secure standard protocol”).

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

**S3-240105 Growing content shall not influence system functions**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0171 rev 1 Cat: F (Rel-18)

 Source: Ericsson*

(Replaces S3-240068)

**Abstract:**

Correction to text.

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

**S3-240106 Processing of ICMPv4 and ICMPv6 packets**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0172 rev 1 Cat: F (Rel-18)

 Source: Ericsson*

(Replaces S3-240069)

**Abstract:**

Correction to test case 4.2.4.1.1.2 to remove subjectivity.

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

**S3-240107 Handling of IP options and extensions**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0173 rev 1 Cat: F (Rel-18)

 Source: Ericsson*

(Replaces S3-240070)

**Abstract:**

It is proposed to reference RFC 7126

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

**S3-240108 Removal of note in GVNP lifecyle management**

 *Type: draftCR For: Approval
 33.527 v18.1.0
 Source: BSI (DE)*

(Replaces S3-240033)

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

**S3-240109 Assessment tool definition**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0144 rev 1 Cat: F (Rel-18)

 Source: Keysight Technologies UK Ltd*

(Replaces S3-240014)

**Abstract:**

Added description of assessment tool

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

**S3-240110 Clarifications to Basic Vulnerability test cases**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0150 rev 1 Cat: F (Rel-18)

 Source: MITRE Corporation*

(Replaces S3-240035)

**Abstract:**

Provide clarifications on the testing tools, tool configuration, and procedures in BVT clauses 4.4.1, 4.4.2, 4.4.3, and 4.4.4

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

**S3-240111 Updates threat references to TS 33.117 - clauses 4.2.2 to 4.2.3**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0156 rev 1 Cat: F (Rel-18)

 Source: ZTE Corporation*

(Replaces S3-240041)

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

**S3-240112 Updates threat references to TS 33.117 - clauses 4.2.4 to 4.2.6**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0157 rev 1 Cat: F (Rel-18)

 Source: ZTE Corporation*

(Replaces S3-240042)

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

**S3-240113 Updates threat references to TS 33.117 - clauses 4.3.4 to 4.3.5**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0160 rev 1 Cat: F (Rel-18)

 Source: ZTE Corporation*

(Replaces S3-240045)

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

**S3-240114 Updates threat references to TS 33.117 - clause 4.4.2 to 4.4.4**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0161 rev 1 Cat: F (Rel-18)

 Source: ZTE Corporation*

(Replaces S3-240046)

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

**S3-240115 Clarification for 4.3.4.2 - 33.117**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0168 rev 1 Cat: F (Rel-18)

 Source: Keysight Technologies UK Ltd*

(Replaces S3-240063)

**Abstract:**

Added clarifications in the test case

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

**S3-240116 Clarification for 4.3.4.3 - 33.117**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0169 rev 1 Cat: F (Rel-18)

 Source: Keysight Technologies UK Ltd*

(Replaces S3-240066)

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

**S3-240117 Updates to Section 4.3.5.1 of TS 33.117 for clarification**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0174 rev 1 Cat: F (Rel-18)

 Source: IIT Bombay*

(Replaces S3-240071)

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

**S3-240118 Updates to Section 4.3.6.2 of TS 33.117 for clarification**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0175 rev 1 Cat: F (Rel-18)

 Source: IIT Bombay*

(Replaces S3-240072)

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

**S3-240119 Updates to Section 4.3.6.3 of TS 33.117 for clarification**

 *Type: CR For: Approval
 33.117 v18.2.0 CR-0176 rev 1 Cat: F (Rel-18)

 Source: IIT Bombay*

(Replaces S3-240073)

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

**S3-240123 Addressing subjective comments from GSMA and comments in BSI AIS-N2to 4.2.4.1.2.1**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0162 rev 1 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

(Replaces S3-240047)

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

**S3-240124 Adding expected format of evidence to clause 4.2.4.2.2**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0163 rev 1 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

(Replaces S3-240048)

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

**S3-240125 Address GSMA comments and add pre-condition excution steps and evidence to 4.2.5.3**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0164 rev 1 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

(Replaces S3-240049)

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

**S3-240126 Add evidence to clause 4.2.6.2.1**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0165 rev 1 Cat: F (Rel-18)

 Source: Huawei, HiSilicon*

(Replaces S3-240050)

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

**S3-240127 Addressing subjective comments from GSMA and comments in BSI AIS-N2 to 4.3.2.1**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0166 rev 1 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

(Replaces S3-240051)

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

**S3-240128 Correct the Requirement from RRC signalling to User data**

 *Type: CR For: Agreement
 33.511 v18.2.0 CR-0055 rev 1 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

(Replaces S3-240052)

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

**S3-240129 Change serving network name to gNB**

 *Type: CR For: Agreement
 33.511 v18.2.0 CR-0056 rev 1 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

(Replaces S3-240053)

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

**S3-240130 Remove the additional can in the evidence**

 *Type: CR For: Agreement
 33.117 v18.2.0 CR-0167 rev 1 Cat: D (Rel-18)

 Source: Huawei; HiSilicon*

(Replaces S3-240054)

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

**S3-240131 Test case update to TS 33.511**

 *Type: CR For: Agreement
 33.511 v18.2.0 CR-0059 rev 1 Cat: F (Rel-18)

 Source: Huawei; HiSilicon*

(Replaces S3-240059)

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

**S3-240132 Change RRC SQN to PDCP COUNT**

 *Type: CR For: Agreement
 33.511 v16.11.0 CR-0060 rev 1 Cat: F (Rel-16)

 Source: Huawei; HiSilicon*

(Replaces S3-240060)

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

**S3-240133 Change RRC SQN to PDCP COUNT**

 *Type: CR For: Agreement
 33.511 v17.5.0 CR-0063 rev 1 Cat: A (Rel-17)

 Source: Huawei; HiSilicon*

(Replaces S3-240064)

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

**S3-240134 Change RRC SQN to PDCP COUNT**

 *Type: CR For: Agreement
 33.511 v18.2.0 CR-0064 rev 1 Cat: A (Rel-18)

 Source: Huawei; HiSilicon*

(Replaces S3-240065)

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

#### 4.1.2 Service Based Architecture

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

#### 4.1.4 Mission Critical

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

#### 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

#### 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

#### 4.1.13 Security Aspects of eNA

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

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

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

**S3-240021 Security Assurance Specification (SCAS) for the Unified Data Repository (UDR)**

 *Type: draft TS For: Approval
 33.530 v0.0.0
 Source: BSI (DE)*

**Abstract:**

draft TS Skeleton for UDR SCAS

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

**S3-240022 Scope definition for draft TS 33.530**

 *Type: pCR For: Approval
 33.530 v0.0.0
 Source: BSI (DE)*

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

**S3-240023 Introduction for draft TS 33.530 clause 4**

 *Type: pCR For: Approval
 33.530 v0.0.0
 Source: BSI (DE)*

**Decision:** The document was **revised to S3-240079**.

**S3-240024 UDR-specific security requirements and related test cases for draft TS 33.530**

 *Type: pCR For: Approval
 33.530 v0.0.0
 Source: BSI (DE)*

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

**S3-240025 Discussion of the protection mechanism of the permanent key leaving the UDR environment.**

 *Type: discussion For: Agreement
 33.530 v..
 Source: BSI (DE)*

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

**S3-240079 Introduction for draft TS 33.530 clause 4**

 *Type: pCR For: Approval
 33.530 v0.0.0
 Source: BSI (DE)*

(Replaces S3-240023)

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

**S3-240136 Draft TS 33.530**

 *Type: draft TS For: (not specified)
 33.530 v0.1.0
 Source: BSI (DE)*

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

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

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

**S3-240075 Discussion of Diameter interface at SMSF to define requirements for Security Assurance Specifications for SMSF**

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

**Abstract:**

This discussion paper provides detailed justifications for the existence of Diameter interfaces and requirements of new test cases for SMSF SCAS.

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

**S3-240076 Add annexure to Security Assurance Specification (SCAS) threats and critical assets in 3GPP network product classes specific to SMSF**

 *Type: CR For: Approval
 33.926 v18.2.0 CR-0085 Cat: B (Rel-18)

 Source: IIT Bombay*

**Decision:** The document was **revised to S3-240121**.

**S3-240077 New requirement in SCAS for SMSF draft TS 33.529**

 *Type: pCR For: Approval
 33.529 v0.2.0
 Source: IIT Bombay*

**Decision:** The document was **revised to S3-240122**.

**S3-240078 SMSF Specific Security requirement and test case for draft TS 33.529**

 *Type: pCR For: Approval
 33.529 v0.2.0
 Source: IIT Bombay*

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

**S3-240121 Add annexure to Security Assurance Specification (SCAS) threats and critical assets in 3GPP network product classes specific to SMSF**

 *Type: CR For: Approval
 33.926 v18.2.0 CR-0085 rev 1 Cat: B (Rel-18)

 Source: IIT Bombay*

(Replaces S3-240076)

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

**S3-240122 New requirement in SCAS for SMSF draft TS 33.529**

 *Type: pCR For: Approval
 33.529 v0.2.0
 Source: IIT Bombay*

(Replaces S3-240077)

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

**S3-240135 Draft TS 33.529**

 *Type: draft TS For: (not specified)
 33.529 v0.3.0
 Source: IIT Bombay*

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

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

## 5 Rel-19 Studies

## 6 New Study/Work item proposals

### 6.1 Release/TU management

### 6.2 SID/WID proposals for SA3 prime topics

### 6.3 SID/WID proposals for feature security dependent on other WGs

## 7 CVD and research

## 8 Any Other Business

## Annex A: Contribution documents and status

### A1: List of TDocs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Decision | Replaces | Replaced by |
| S3-240000 | Agenda | SA WG3 Chair | approved |  |  |
| S3-240001 | Detailed agenda | SA WG3 Chair | noted |  |  |
| S3-240002 | Emeeting process | SA WG3 | noted |  |  |
| S3-240003 | GSMA clarification: no unused software | BSI (DE) | revised |  | S3-240080 |
| S3-240004 | GSMA clarification: no unused functions | BSI (DE) | revised |  | S3-240081 |
| S3-240005 | GSMA clarification: no unsupported components | BSI (DE) | revised |  | S3-240082 |
| S3-240006 | GSMA clarification: Filesystem Authorization privileges | BSI (DE) | revised |  | S3-240083 |
| S3-240007 | Correct RRC connection reconfiguration to RRC reconfiguration  | Qualcomm Incorporated | merged |  | S3-240085 |
| S3-240008 | Test Case on Password Storage Support  | Nokia, Nokia Shanghai Bell, BSI | revised |  | S3-240098 |
| S3-240009 | Test Case on No Default Content | Nokia, Nokia Shanghai Bell | revised |  | S3-240099 |
| S3-240010 | Test Case on No Directory Listings  | Nokia, Nokia Shanghai Bell | revised |  | S3-240100 |
| S3-240011 | Test Case on No Web Server Header Info  | Nokia, Nokia Shanghai Bell | revised |  | S3-240101 |
| S3-240012 | Test Case on No Web Server Error Pages Info  | Nokia, Nokia Shanghai Bell | revised |  | S3-240102 |
| S3-240013 | Test Case on No Web Server File Type Mappings  | Nokia, Nokia Shanghai Bell | revised |  | S3-240103 |
| S3-240014 | Assessment tool definition | Keysight Technologies UK Ltd | revised |  | S3-240109 |
| S3-240015 | Discussion Paper on PCF SCAS contents | BSI (DE) | noted |  |  |
| S3-240016 | Improving the SCAS specification way of work | Nokia, Nokia Shanghai Bell | noted |  |  |
| S3-240017 | Minimized kernel network functions (TC\_ IP\_MULTICAST\_HANDLING) | Deutsche Telekom AG | revised |  | S3-240088 |
| S3-240018 | No automatic launch of removable media [TC\_NO\_AUTO\_LAUNCH\_OF\_REMOVABLE\_MEDIA] | Deutsche Telekom AG | revised |  | S3-240089 |
| S3-240019 | Syn Flood Prevention [TC\_SYN\_FLOOD\_PREVENTION] | Deutsche Telekom AG | revised |  | S3-240090 |
| S3-240020 | External file system mount restrictions (TC\_EXTERNAL\_FILE\_SYSTEM \_MOUNT\_RESTRICTIONS) | Deutsche Telekom AG | revised |  | S3-240091 |
| S3-240021 | Security Assurance Specification (SCAS) for the Unified Data Repository (UDR) | BSI (DE) | approved |  |  |
| S3-240022 | Scope definition for draft TS 33.530 | BSI (DE) | approved |  |  |
| S3-240023 | Introduction for draft TS 33.530 clause 4 | BSI (DE) | revised |  | S3-240079 |
| S3-240024 | UDR-specific security requirements and related test cases for draft TS 33.530  | BSI (DE) | approved |  |  |
| S3-240025 | Discussion of the protection mechanism of the permanent key leaving the UDR environment. | BSI (DE) | noted |  |  |
| S3-240026 | Clarification of bootable memory device test | BSI (DE) | revised |  | S3-240084 |
| S3-240027 | Clarification of UP Integrity Protection test cases for eNB | BSI (DE) | agreed |  |  |
| S3-240028 | Clarification of UP IP selection and bidding down prevention of eNB | BSI (DE) | agreed |  |  |
| S3-240029 | Added parameters to NRF discovery authorization | BSI (DE) | not pursued |  |  |
| S3-240030 | Added parameters to NRF discovery authorization threat reference | BSI (DE) | not pursued |  |  |
| S3-240031 | Clarification and simplification of test cases regarding UP CP and IP activation at split-gNB | BSI (DE) | revised |  | S3-240085 |
| S3-240032 | Clarification of test cases on user data IP and CP in split-gNB | BSI (DE) | agreed |  |  |
| S3-240033 | Removal of note in GVNP lifecyle management | BSI (DE) | not pursued |  |  |
| S3-240034 | Fixed typo in VNF traffic separation test case | BSI (DE) | revised |  | S3-240087 |
| S3-240035 | Clarifications to Basic Vulnerability test cases | MITRE Corporation | agreed |  |  |
| S3-240036 | Update to the clause 4.2.2.2.2 - Protection at the transport layer | Samsung | revised |  | S3-240092 |
| S3-240037 | Update to the clause 4.2.3.2.4 - Protecting data and information in transfer | Samsung | revised |  | S3-240094 |
| S3-240038 | Update to the clause 4.2.3.3.2 - Boot from intended memory devices only | Samsung | revised |  | S3-240095 |
| S3-240039 | Update to the clause 4.2.3.4.1.1 - System functions shall not be used without successful authentication and authorization | Samsung | revised |  | S3-240096 |
| S3-240040 | Update to the clause 4.2.3.4.3.1 - Password Structure | Samsung | revised |  | S3-240097 |
| S3-240041 | Updates threat references to TS 33.117 - clauses 4.2.2 to 4.2.3 | ZTE Corporation | revised |  | S3-240111 |
| S3-240042 | Updates threat references to TS 33.117 - clauses 4.2.4 to 4.2.6 | ZTE Corporation | revised |  | S3-240112 |
| S3-240043 | Updates threat references to TS 33.117 - clauses 4.3.2 | ZTE Corporation | agreed |  |  |
| S3-240044 | Updates threat references to TS 33.117 - clauses 4.3.3 | ZTE Corporation | agreed |  |  |
| S3-240045 | Updates threat references to TS 33.117 - clauses 4.3.4 to 4.3.5 | ZTE Corporation | revised |  | S3-240113 |
| S3-240046 | Updates threat references to TS 33.117 - clause 4.4.2 to 4.4.4 | ZTE Corporation | revised |  | S3-240114 |
| S3-240047 | Changes to 4.2.4.1.2.1 | Huawei; HiSilicon | revised |  | S3-240123 |
| S3-240048 | TS33.117\_Changes to 4.2.4.2.2 | Huawei, HiSilicon | revised |  | S3-240124 |
| S3-240049 | TS33.117\_Changes to 4.2.5.3 | Huawei, HiSilicon | revised |  | S3-240125 |
| S3-240050 | TS33.117\_Changes to 4.2.6.2.1 | Huawei, HiSilicon | agreed |  | S3-240126 |
| S3-240051 | Changes to 4.3.2.1 | Huawei; HiSilicon | revised |  | S3-240127 |
| S3-240052 | Changes to 4.2.2.1.8 in TS 33.511 | Huawei; HiSilicon | revised |  | S3-240128 |
| S3-240053 | Changes to 4.2.2.1.12 in TS 33.511 | Huawei; HiSilicon | revised |  | S3-240129 |
| S3-240054 | TS33.117\_Changes to 4.2.2.2.2 | Huawei, HiSilicon | revised |  | S3-240130 |
| S3-240055 | Add certificate enrolment to TS 33.511 | Huawei; HiSilicon | not pursued |  |  |
| S3-240056 | Peer certificate checking at gNB to TS 33.511 | Huawei; HiSilicon | not pursued |  |  |
| S3-240057 | Add threat to certificate enrolment | Huawei; HiSilicon | not pursued |  |  |
| S3-240058 | Add threat to peer certificate checking at gNB | Huawei; HiSilicon | not pursued |  |  |
| S3-240059 | Test case update to TS 33.511 | Huawei; HiSilicon | revised |  | S3-240131 |
| S3-240060 | Change RRC SQN to PDCP COUNT | Huawei, HiSilicon | revised |  | S3-240132 |
| S3-240061 | [mirror] correction to TS 33.511 | Huawei, HiSilicon | withdrawn |  |  |
| S3-240062 | [mirror] correction to TS 33.511 | Huawei, HiSilicon | withdrawn |  |  |
| S3-240063 | Clarification for 4.3.4.2 - 33.117 | Keysight Technologies UK Ltd | revised |  | S3-240115 |
| S3-240064 | Change RRC SQN to PDCP COUNT | Huawei; HiSilicon | revised |  | S3-240133 |
| S3-240065 | Change RRC SQN to PDCP COUNT | Huawei; HiSilicon | revised |  | S3-240134 |
| S3-240066 | Clarification for 4.3.4.3 - 33.117 | Keysight Technologies UK Ltd | revised |  | S3-240116 |
| S3-240067 | Log transfer to centralized storage | Ericsson | revised |  | S3-240104 |
| S3-240068 | Growing content shall not influence system functions | Ericsson | revised |  | S3-240105 |
| S3-240069 | Processing of ICMPv4 and ICMPv6 packets | Ericsson | revised |  | S3-240106 |
| S3-240070 | Handling of IP options and extensions | Ericsson | revised |  | S3-240107 |
| S3-240071 | Editorial Updates to Section 4.3.5.1 of TS 33.117 for clarification | IIT Bombay | revised |  | S3-240117 |
| S3-240072 | Editorial Updates to Section 4.3.6.2 of TS 33.117 for clarification | IIT Bombay | revised |  | S3-240117 |
| S3-240073 | Editorial Updates to Section 4.3.6.3 of TS 33.117 for clarification | IIT Bombay | revised |  | S3-240119 |
| S3-240074 | Editorial Updates to Section 4.3.6.4 of TS 33.117 for clarification | IIT Bombay | revised |  | S3-240120 |
| S3-240075 | Discussion of Diameter interface at SMSF to define requirements for Security Assurance Specifications for SMSF  | IIT Bombay | noted |  |  |
| S3-240076 | Add annexure to Security Assurance Specification (SCAS) threats and critical assets in 3GPP network product classes specific to SMSF | IIT Bombay | revised |  | S3-240121 |
| S3-240077 | New requirement in SCAS for SMSF draft TS 33.529 | IIT Bombay | revised |  | S3-240122 |
| S3-240078 | SMSF Specific Security requirement and test case for draft TS 33.529 | IIT Bombay | noted |  |  |
| S3-240079 | Introduction for draft TS 33.530 clause 4 | BSI (DE) | approved | S3-240023 |  |
| S3-240080 | GSMA clarification: no unused software | BSI (DE) | agreed | S3-240003 |  |
| S3-240081 | GSMA clarification: no unused functions | BSI (DE) | agreed | S3-240004 |  |
| S3-240082 | GSMA clarification: no unsupported components | BSI (DE) | agreed | S3-240005 |  |
| S3-240083 | GSMA clarification: Filesystem Authorization privileges | BSI (DE) | agreed | S3-240006 |  |
| S3-240084 | Clarification of bootable memory device test | BSI (DE) | agreed | S3-240026 |  |
| S3-240085 | Clarification and simplification of test cases regarding UP CP and IP activation at split-gNB | BSI (DE) | agreed | S3-240031 |  |
| S3-240086 | Removal of note in GVNP lifecyle management | BSI (DE) | withdrawn | S3-240033 |  |
| S3-240087 | Fixed typo in VNF traffic separation test case | BSI (DE) | agreed | S3-240034 |  |
| S3-240088 | Minimized kernel network functions (TC\_ IP\_MULTICAST\_HANDLING) | Deutsche Telekom AG | not pursued | S3-240017 |  |
| S3-240089 | No automatic launch of removable media [TC\_NO\_AUTO\_LAUNCH\_OF\_REMOVABLE\_MEDIA] | Deutsche Telekom AG | agreed | S3-240018 |  |
| S3-240090 | Syn Flood Prevention [TC\_SYN\_FLOOD\_PREVENTION] | Deutsche Telekom AG | agreed | S3-240019 |  |
| S3-240091 | External file system mount restrictions (TC\_EXTERNAL\_FILE\_SYSTEM \_MOUNT\_RESTRICTIONS) | Deutsche Telekom AG | not pursued | S3-240020 |  |
| S3-240092 | Update to the clause 4.2.2.2.2 - Protection at the transport layer | Samsung | agreed | S3-240036 |  |
| S3-240093 | Update to the clause 4.2.2.2.2 - Protection at the transport layer | Samsung | withdrawn | S3-240036 |  |
| S3-240094 | Update to the clause 4.2.3.2.4 - Protecting data and information in transfer | Samsung | agreed | S3-240037 |  |
| S3-240095 | Update to the clause 4.2.3.3.2 - Boot from intended memory devices only | Samsung | agreed | S3-240038 |  |
| S3-240096 | Update to the clause 4.2.3.4.1.1 - System functions shall not be used without successful authentication and authorization | Samsung | agreed | S3-240039 |  |
| S3-240097 | Update to the clause 4.2.3.4.3.1 - Password Structure | Samsung | agreed | S3-240040 |  |
| S3-240098 | Test Case on Password Storage Support (TC\_PSW\_STOR\_SUPPORT) | Nokia, Nokia Shanghai Bell, BSI | agreed | S3-240008 |  |
| S3-240099 | GSMA review - Test Case on No Default Content (TC\_NO\_DEFAULT\_CONTENT) | Nokia, Nokia Shanghai Bell | agreed | S3-240009 |  |
| S3-240100 | GSMA Review - Test Case on No Directory Listings (TC\_NO\_DIRECTORY\_LISTINGS) | Nokia, Nokia Shanghai Bell | agreed | S3-240010 |  |
| S3-240101 | GSMA review - Test Case on No Web Server Header Info (TC\_NO\_WEB\_SERVER\_ HEADER\_INFORMATION) | Nokia, Nokia Shanghai Bell | agreed | S3-240011 |  |
| S3-240102 | GSMA review - Test Case on No Web Server Error Pages Info (TC\_NO\_WEB\_SERVER\_ERROR\_ PAGES\_INFORMATION) | Nokia, Nokia Shanghai Bell | agreed | S3-240012 |  |
| S3-240103 | GSMA review - Test Case on No Web Server File Type Mappings (TC\_NO\_WEB\_SERVER\_FILE\_TYPE MAPPINGS) | Nokia, Nokia Shanghai Bell | agreed | S3-240013 |  |
| S3-240104 | Log transfer to centralized storage | Ericsson | agreed | S3-240067 |  |
| S3-240105 | Growing content shall not influence system functions | Ericsson | agreed | S3-240068 |  |
| S3-240106 | Processing of ICMPv4 and ICMPv6 packets | Ericsson | agreed | S3-240069 |  |
| S3-240107 | Handling of IP options and extensions | Ericsson | agreed | S3-240070 |  |
| S3-240108 | Removal of note in GVNP lifecyle management | BSI (DE) | withdrawn | S3-240033 |  |
| S3-240109 | Assessment tool definition | Keysight Technologies UK Ltd | agreed | S3-240014 |  |
| S3-240110 | Clarifications to Basic Vulnerability test cases | MITRE Corporation | agreed | S3-240035 |  |
| S3-240111 | Updates threat references to TS 33.117 - clauses 4.2.2 to 4.2.3 | ZTE Corporation | agreed | S3-240041 |  |
| S3-240112 | Updates threat references to TS 33.117 - clauses 4.2.4 to 4.2.6 | ZTE Corporation | agreed | S3-240042 |  |
| S3-240113 | Updates threat references to TS 33.117 - clauses 4.3.4 to 4.3.5 | ZTE Corporation | agreed | S3-240045 |  |
| S3-240114 | Updates threat references to TS 33.117 - clause 4.4.2 to 4.4.4 | ZTE Corporation | agreed | S3-240046 |  |
| S3-240115 | Clarification for 4.3.4.2 - 33.117 | Keysight Technologies UK Ltd | agreed | S3-240063 |  |
| S3-240116 | Clarification for 4.3.4.3 - 33.117 | Keysight Technologies UK Ltd | agreed | S3-240066 |  |
| S3-240117 | Updates to Section 4.3.5.1 of TS 33.117 for clarification | IIT Bombay | agreed | S3-240071 |  |
| S3-240118 | Updates to Section 4.3.6.2 of TS 33.117 for clarification | IIT Bombay | agreed | S3-240072 |  |
| S3-240119 | Updates to Section 4.3.6.3 of TS 33.117 for clarification | IIT Bombay | agreed | S3-240073 |  |
| S3-240120 | Updates to Section 4.3.6.4 of TS 33.117 for clarification | IIT Bombay | agreed | S3-240074 |  |
| S3-240121 | Add annexure to Security Assurance Specification (SCAS) threats and critical assets in 3GPP network product classes specific to SMSF | IIT Bombay | agreed | S3-240076 |  |
| S3-240122 | New requirement in SCAS for SMSF draft TS 33.529 | IIT Bombay | approved | S3-240077 |  |
| S3-240123 | Addressing subjective comments from GSMA and comments in BSI AIS-N2to 4.2.4.1.2.1 | Huawei; HiSilicon | agreed | S3-240047 |  |
| S3-240124 | Adding expected format of evidence to clause 4.2.4.2.2 | Huawei; HiSilicon | agreed | S3-240048 |  |
| S3-240125 | Address GSMA comments and add pre-condition excution steps and evidence to 4.2.5.3 | Huawei; HiSilicon | agreed | S3-240049 |  |
| S3-240126 | Add evidence to clause 4.2.6.2.1 | Huawei, HiSilicon | agreed | S3-240050 |  |
| S3-240127 | Addressing subjective comments from GSMA and comments in BSI AIS-N2 to 4.3.2.1 | Huawei; HiSilicon | agreed | S3-240051 |  |
| S3-240128 | Correct the Requirement from RRC signalling to User data | Huawei; HiSilicon | agreed | S3-240052 |  |
| S3-240129 | Change serving network name to gNB | Huawei; HiSilicon | agreed | S3-240053 |  |
| S3-240130 | Remove the additional can in the evidence | Huawei; HiSilicon | agreed | S3-240054 |  |
| S3-240131 | Test case update to TS 33.511 | Huawei; HiSilicon | agreed | S3-240059 |  |
| S3-240132 | Change RRC SQN to PDCP COUNT | Huawei; HiSilicon | agreed | S3-240060 |  |
| S3-240133 | Change RRC SQN to PDCP COUNT | Huawei; HiSilicon | agreed | S3-240064 |  |
| S3-240134 | Change RRC SQN to PDCP COUNT | Huawei; HiSilicon | agreed | S3-240065 |  |
| S3-240135 | Draft TS 33.529 | IIT Bombay | approved |  |  |
| S3-240136 | Draft TS 33.530 | BSI (DE) | approved |  |  |
| S3-240137 | SA3 leadership notes | SA WG3 Chair | available | - | - |

### A2: Tdoc decision timing

|  |  |  |
| --- | --- | --- |
| Document | Date/time UTC | Decision |
| S3-240000 | 22/01/2024 15:22:30 | approved |
| S3-240001 | 22/01/2024 15:22:33 | noted |
| S3-240002 | 22/01/2024 15:22:35 | noted |
| S3-240003 | 26/01/2024 15:11:28 | available |
| S3-240004 | 26/01/2024 15:12:29 | available |
| S3-240005 | 26/01/2024 15:13:40 | available |
| S3-240006 | 26/01/2024 15:13:54 | available |
| S3-240007 | 26/01/2024 15:15:21 | available |
| S3-240008 | 26/01/2024 15:14:33 | available |
| S3-240009 | 26/01/2024 15:15:41 | available |
| S3-240010 | 26/01/2024 15:16:15 | available |
| S3-240011 | 26/01/2024 15:16:43 | available |
| S3-240012 | 26/01/2024 15:17:07 | available |
| S3-240013 | 26/01/2024 15:17:33 | available |
| S3-240014 | 26/01/2024 15:32:02 | available |
| S3-240015 | 26/01/2024 15:32:09 | noted |
| S3-240016 | 26/01/2024 15:32:12 | noted |
| S3-240017 | 26/01/2024 15:32:58 | available |
| S3-240017 | 02/02/2024 14:47:32 | not pursued |
| S3-240018 | 26/01/2024 15:33:27 | available |
| S3-240019 | 26/01/2024 15:33:56 | available |
| S3-240020 | 26/01/2024 15:34:22 | available |
| S3-240021 | 02/02/2024 15:44:14 | approved |
| S3-240022 | 02/02/2024 15:44:27 | approved |
| S3-240023 | 02/02/2024 15:45:19 | available |
| S3-240024 | 02/02/2024 15:45:28 | approved |
| S3-240025 | 02/02/2024 15:45:31 | noted |
| S3-240026 | 26/01/2024 15:34:54 | available |
| S3-240027 | 26/01/2024 15:35:06 | agreed |
| S3-240028 | 26/01/2024 15:35:07 | agreed |
| S3-240029 | 26/01/2024 15:35:14 | available |
| S3-240030 | 26/01/2024 15:35:27 | available |
| S3-240031 | 26/01/2024 15:14:59 | available |
| S3-240032 | 26/01/2024 15:35:47 | agreed |
| S3-240033 | 26/01/2024 15:35:51 | available |
| S3-240034 | 26/01/2024 15:36:32 | available |
| S3-240035 | 02/02/2024 14:49:38 | agreed |
| S3-240036 | 26/01/2024 15:38:23 | available |
| S3-240037 | 26/01/2024 15:38:36 | available |
| S3-240038 | 26/01/2024 15:38:53 | available |
| S3-240039 | 26/01/2024 15:39:16 | available |
| S3-240040 | 26/01/2024 15:39:29 | available |
| S3-240041 | 02/02/2024 14:51:02 | available |
| S3-240042 | 02/02/2024 14:51:19 | available |
| S3-240043 | 02/02/2024 14:51:25 | agreed |
| S3-240044 | 02/02/2024 14:51:29 | agreed |
| S3-240045 | 02/02/2024 14:51:51 | available |
| S3-240046 | 02/02/2024 14:52:09 | available |
| S3-240047 | 02/02/2024 14:52:35 | available |
| S3-240048 | 02/02/2024 14:52:54 | available |
| S3-240049 | 02/02/2024 14:53:06 | available |
| S3-240050 | 02/02/2024 14:53:19 | agreed |
| S3-240051 | 02/02/2024 14:53:27 | available |
| S3-240052 | 02/02/2024 14:53:59 | available |
| S3-240053 | 02/02/2024 14:54:18 | available |
| S3-240054 | 02/02/2024 14:54:45 | available |
| S3-240055 | 02/02/2024 14:55:53 | available |
| S3-240056 | 02/02/2024 14:56:02 | available |
| S3-240057 | 02/02/2024 14:56:09 | available |
| S3-240058 | 02/02/2024 14:59:22 | available |
| S3-240059 | 02/02/2024 14:59:49 | available |
| S3-240060 | 02/02/2024 15:00:05 | available |
| S3-240063 | 02/02/2024 15:00:39 | available |
| S3-240064 | 02/02/2024 15:13:51 | available |
| S3-240065 | 02/02/2024 15:14:06 | available |
| S3-240066 | 02/02/2024 15:14:35 | available |
| S3-240067 | 02/02/2024 15:41:32 | available |
| S3-240068 | 02/02/2024 15:41:51 | available |
| S3-240069 | 02/02/2024 15:42:05 | available |
| S3-240070 | 02/02/2024 15:42:25 | available |
| S3-240071 | 02/02/2024 15:42:48 | available |
| S3-240072 | 02/02/2024 15:43:05 | available |
| S3-240073 | 02/02/2024 15:43:19 | available |
| S3-240074 | 02/02/2024 15:43:49 | available |
| S3-240075 | 02/02/2024 15:46:18 | noted |
| S3-240076 | 02/02/2024 15:46:41 | available |
| S3-240077 | 02/02/2024 15:47:00 | available |
| S3-240078 | 02/02/2024 15:47:17 | noted |
| S3-240079 | 02/02/2024 15:45:13 | approved |
| S3-240080 | 26/01/2024 15:11:51 | agreed |
| S3-240081 | 26/01/2024 15:12:18 | agreed |
| S3-240082 | 26/01/2024 15:13:29 | agreed |
| S3-240083 | 26/01/2024 15:13:58 | agreed |
| S3-240084 | 26/01/2024 15:34:47 | agreed |
| S3-240085 | 26/01/2024 15:14:53 | agreed |
| S3-240087 | 26/01/2024 15:36:15 | agreed |
| S3-240088 | 02/02/2024 14:47:26 | available |
| S3-240089 | 26/01/2024 15:33:21 | agreed |
| S3-240090 | 26/01/2024 15:33:59 | agreed |
| S3-240091 | 26/01/2024 15:34:16 | agreed |
| S3-240092 | 26/01/2024 15:38:16 | agreed |
| S3-240094 | 26/01/2024 15:38:43 | agreed |
| S3-240095 | 26/01/2024 15:38:46 | agreed |
| S3-240096 | 26/01/2024 15:39:09 | agreed |
| S3-240097 | 26/01/2024 15:39:23 | agreed |
| S3-240098 | 26/01/2024 15:14:26 | agreed |
| S3-240099 | 26/01/2024 15:15:38 | agreed |
| S3-240100 | 26/01/2024 15:16:09 | agreed |
| S3-240101 | 26/01/2024 15:16:37 | agreed |
| S3-240102 | 26/01/2024 15:16:59 | agreed |
| S3-240103 | 26/01/2024 15:17:26 | agreed |
| S3-240104 | 02/02/2024 15:41:26 | agreed |
| S3-240105 | 02/02/2024 15:41:40 | agreed |
| S3-240106 | 02/02/2024 15:41:59 | agreed |
| S3-240107 | 02/02/2024 15:42:19 | agreed |
| S3-240109 | 26/01/2024 16:41:30 | reserved |
| S3-240109 | 02/02/2024 14:46:19 | agreed |
| S3-240110 | 02/02/2024 16:15:08 | agreed |
| S3-240111 | 02/02/2024 14:50:55 | agreed |
| S3-240112 | 02/02/2024 14:51:14 | agreed |
| S3-240113 | 02/02/2024 14:51:45 | agreed |
| S3-240114 | 02/02/2024 14:52:02 | agreed |
| S3-240115 | 02/02/2024 15:00:33 | agreed |
| S3-240116 | 02/02/2024 15:14:28 | agreed |
| S3-240117 | 02/02/2024 15:42:42 | agreed |
| S3-240118 | 02/02/2024 15:42:59 | agreed |
| S3-240119 | 02/02/2024 15:43:13 | agreed |
| S3-240120 | 02/02/2024 15:43:44 | agreed |
| S3-240121 | 02/02/2024 15:46:35 | agreed |
| S3-240122 | 02/02/2024 15:46:53 | approved |
| S3-240123 | 02/02/2024 14:52:31 | agreed |
| S3-240124 | 02/02/2024 14:52:49 | agreed |
| S3-240125 | 02/02/2024 14:53:01 | agreed |
| S3-240126 | 02/02/2024 14:53:14 | agreed |
| S3-240127 | 02/02/2024 14:53:16 | agreed |
| S3-240128 | 02/02/2024 14:53:55 | agreed |
| S3-240129 | 02/02/2024 14:54:32 | agreed |
| S3-240130 | 02/02/2024 14:54:37 | agreed |
| S3-240131 | 02/02/2024 14:59:44 | agreed |
| S3-240132 | 02/02/2024 15:00:01 | agreed |
| S3-240133 | 02/02/2024 15:13:44 | agreed |
| S3-240134 | 02/02/2024 15:13:58 | agreed |
| S3-240135 | 02/02/2024 15:45:49 | approved |
| S3-240136 | 02/02/2024 15:47:33 | approved |

## Annex B: List of change requests

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Document | Title | Source | Spec | CR | Rev | Rel | Cat | WI | Decision |
| S3-240003 | GSMA clarification: no unused software | BSI (DE) | 33.117 | 0134 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240080 | GSMA clarification: no unused software | BSI (DE) | 33.117 | 0134 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240004 | GSMA clarification: no unused functions | BSI (DE) | 33.117 | 0135 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240081 | GSMA clarification: no unused functions | BSI (DE) | 33.117 | 0135 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240005 | GSMA clarification: no unsupported components | BSI (DE) | 33.117 | 0136 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240082 | GSMA clarification: no unsupported components | BSI (DE) | 33.117 | 0136 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240006 | GSMA clarification: Filesystem Authorization privileges | BSI (DE) | 33.117 | 0137 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240083 | GSMA clarification: Filesystem Authorization privileges | BSI (DE) | 33.117 | 0137 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240008 | Test Case on Password Storage Support  | Nokia, Nokia Shanghai Bell, BSI | 33.117 | 0138 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240098 | Test Case on Password Storage Support (TC\_PSW\_STOR\_SUPPORT) | Nokia, Nokia Shanghai Bell, BSI | 33.117 | 0138 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240009 | Test Case on No Default Content | Nokia, Nokia Shanghai Bell | 33.117 | 0139 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240099 | GSMA review - Test Case on No Default Content (TC\_NO\_DEFAULT\_CONTENT) | Nokia, Nokia Shanghai Bell | 33.117 | 0139 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240010 | Test Case on No Directory Listings  | Nokia, Nokia Shanghai Bell | 33.117 | 0140 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240100 | GSMA Review - Test Case on No Directory Listings (TC\_NO\_DIRECTORY\_LISTINGS) | Nokia, Nokia Shanghai Bell | 33.117 | 0140 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240011 | Test Case on No Web Server Header Info  | Nokia, Nokia Shanghai Bell | 33.117 | 0141 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240101 | GSMA review - Test Case on No Web Server Header Info (TC\_NO\_WEB\_SERVER\_ HEADER\_INFORMATION) | Nokia, Nokia Shanghai Bell | 33.117 | 0141 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240012 | Test Case on No Web Server Error Pages Info  | Nokia, Nokia Shanghai Bell | 33.117 | 0142 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240102 | GSMA review - Test Case on No Web Server Error Pages Info (TC\_NO\_WEB\_SERVER\_ERROR\_ PAGES\_INFORMATION) | Nokia, Nokia Shanghai Bell | 33.117 | 0142 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240013 | Test Case on No Web Server File Type Mappings  | Nokia, Nokia Shanghai Bell | 33.117 | 0143 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240103 | GSMA review - Test Case on No Web Server File Type Mappings (TC\_NO\_WEB\_SERVER\_FILE\_TYPE MAPPINGS) | Nokia, Nokia Shanghai Bell | 33.117 | 0143 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240014 | Assessment tool definition | Keysight Technologies UK Ltd | 33.117 | 0144 | - | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-240109 | Assessment tool definition | Keysight Technologies UK Ltd | 33.117 | 0144 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240017 | Minimized kernel network functions (TC\_ IP\_MULTICAST\_HANDLING) | Deutsche Telekom AG | 33.117 | 0145 | - | Rel-18 | F | TEI18 | revised |
| S3-240088 | Minimized kernel network functions (TC\_ IP\_MULTICAST\_HANDLING) | Deutsche Telekom AG | 33.117 | 0145 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | not pursued |
| S3-240018 | No automatic launch of removable media [TC\_NO\_AUTO\_LAUNCH\_OF\_REMOVABLE\_MEDIA] | Deutsche Telekom AG | 33.117 | 0146 | - | Rel-18 | F | TEI18 | revised |
| S3-240089 | No automatic launch of removable media [TC\_NO\_AUTO\_LAUNCH\_OF\_REMOVABLE\_MEDIA] | Deutsche Telekom AG | 33.117 | 0146 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240019 | Syn Flood Prevention [TC\_SYN\_FLOOD\_PREVENTION] | Deutsche Telekom AG | 33.117 | 0147 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240090 | Syn Flood Prevention [TC\_SYN\_FLOOD\_PREVENTION] | Deutsche Telekom AG | 33.117 | 0147 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240020 | External file system mount restrictions (TC\_EXTERNAL\_FILE\_SYSTEM \_MOUNT\_RESTRICTIONS) | Deutsche Telekom AG | 33.117 | 0148 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240091 | External file system mount restrictions (TC\_EXTERNAL\_FILE\_SYSTEM \_MOUNT\_RESTRICTIONS) | Deutsche Telekom AG | 33.117 | 0148 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | not pursued |
| S3-240026 | Clarification of bootable memory device test | BSI (DE) | 33.117 | 0149 | - | Rel-18 | B | SCAS\_5G\_Ph3 | revised |
| S3-240084 | Clarification of bootable memory device test | BSI (DE) | 33.117 | 0149 | 1 | Rel-18 | B | SCAS\_5G\_Ph3 | agreed |
| S3-240035 | Clarifications to Basic Vulnerability test cases | MITRE Corporation | 33.117 | 0150 | - | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240110 | Clarifications to Basic Vulnerability test cases | MITRE Corporation | 33.117 | 0150 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240036 | Update to the clause 4.2.2.2.2 - Protection at the transport layer | Samsung | 33.117 | 0151 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240092 | Update to the clause 4.2.2.2.2 - Protection at the transport layer | Samsung | 33.117 | 0151 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240093 | Update to the clause 4.2.2.2.2 - Protection at the transport layer | Samsung | 33.117 | 0151 | 2 | Rel-18 | F | SCAS\_5G\_Ph3 | withdrawn |
| S3-240037 | Update to the clause 4.2.3.2.4 - Protecting data and information in transfer | Samsung | 33.117 | 0152 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240094 | Update to the clause 4.2.3.2.4 - Protecting data and information in transfer | Samsung | 33.117 | 0152 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240038 | Update to the clause 4.2.3.3.2 - Boot from intended memory devices only | Samsung | 33.117 | 0153 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240095 | Update to the clause 4.2.3.3.2 - Boot from intended memory devices only | Samsung | 33.117 | 0153 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240039 | Update to the clause 4.2.3.4.1.1 - System functions shall not be used without successful authentication and authorization | Samsung | 33.117 | 0154 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240096 | Update to the clause 4.2.3.4.1.1 - System functions shall not be used without successful authentication and authorization | Samsung | 33.117 | 0154 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240040 | Update to the clause 4.2.3.4.3.1 - Password Structure | Samsung | 33.117 | 0155 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240097 | Update to the clause 4.2.3.4.3.1 - Password Structure | Samsung | 33.117 | 0155 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240041 | Updates threat references to TS 33.117 - clauses 4.2.2 to 4.2.3 | ZTE Corporation | 33.117 | 0156 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240111 | Updates threat references to TS 33.117 - clauses 4.2.2 to 4.2.3 | ZTE Corporation | 33.117 | 0156 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240042 | Updates threat references to TS 33.117 - clauses 4.2.4 to 4.2.6 | ZTE Corporation | 33.117 | 0157 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240112 | Updates threat references to TS 33.117 - clauses 4.2.4 to 4.2.6 | ZTE Corporation | 33.117 | 0157 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240043 | Updates threat references to TS 33.117 - clauses 4.3.2 | ZTE Corporation | 33.117 | 0158 | - | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240044 | Updates threat references to TS 33.117 - clauses 4.3.3 | ZTE Corporation | 33.117 | 0159 | - | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240045 | Updates threat references to TS 33.117 - clauses 4.3.4 to 4.3.5 | ZTE Corporation | 33.117 | 0160 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240113 | Updates threat references to TS 33.117 - clauses 4.3.4 to 4.3.5 | ZTE Corporation | 33.117 | 0160 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240046 | Updates threat references to TS 33.117 - clause 4.4.2 to 4.4.4 | ZTE Corporation | 33.117 | 0161 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240114 | Updates threat references to TS 33.117 - clause 4.4.2 to 4.4.4 | ZTE Corporation | 33.117 | 0161 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240047 | Changes to 4.2.4.1.2.1 | Huawei; HiSilicon | 33.117 | 0162 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240123 | Addressing subjective comments from GSMA and comments in BSI AIS-N2to 4.2.4.1.2.1 | Huawei; HiSilicon | 33.117 | 0162 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240048 | TS33.117\_Changes to 4.2.4.2.2 | Huawei, HiSilicon | 33.117 | 0163 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240124 | Adding expected format of evidence to clause 4.2.4.2.2 | Huawei; HiSilicon | 33.117 | 0163 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240049 | TS33.117\_Changes to 4.2.5.3 | Huawei, HiSilicon | 33.117 | 0164 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240125 | Address GSMA comments and add pre-condition excution steps and evidence to 4.2.5.3 | Huawei; HiSilicon | 33.117 | 0164 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240050 | TS33.117\_Changes to 4.2.6.2.1 | Huawei, HiSilicon | 33.117 | 0165 | - | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240126 | Add evidence to clause 4.2.6.2.1 | Huawei, HiSilicon | 33.117 | 0165 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240051 | Changes to 4.3.2.1 | Huawei; HiSilicon | 33.117 | 0166 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240127 | Addressing subjective comments from GSMA and comments in BSI AIS-N2 to 4.3.2.1 | Huawei; HiSilicon | 33.117 | 0166 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240054 | TS33.117\_Changes to 4.2.2.2.2 | Huawei, HiSilicon | 33.117 | 0167 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240130 | Remove the additional can in the evidence | Huawei; HiSilicon | 33.117 | 0167 | 1 | Rel-18 | D | SCAS\_5G\_Ph3 | agreed |
| S3-240063 | Clarification for 4.3.4.2 - 33.117 | Keysight Technologies UK Ltd | 33.117 | 0168 | - | Rel-18 | F | SCAS\_5G\_Ph2 | revised |
| S3-240115 | Clarification for 4.3.4.2 - 33.117 | Keysight Technologies UK Ltd | 33.117 | 0168 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240066 | Clarification for 4.3.4.3 - 33.117 | Keysight Technologies UK Ltd | 33.117 | 0169 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240116 | Clarification for 4.3.4.3 - 33.117 | Keysight Technologies UK Ltd | 33.117 | 0169 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240067 | Log transfer to centralized storage | Ericsson | 33.117 | 0170 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240104 | Log transfer to centralized storage | Ericsson | 33.117 | 0170 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240068 | Growing content shall not influence system functions | Ericsson | 33.117 | 0171 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240105 | Growing content shall not influence system functions | Ericsson | 33.117 | 0171 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240069 | Processing of ICMPv4 and ICMPv6 packets | Ericsson | 33.117 | 0172 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240106 | Processing of ICMPv4 and ICMPv6 packets | Ericsson | 33.117 | 0172 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240070 | Handling of IP options and extensions | Ericsson | 33.117 | 0173 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240107 | Handling of IP options and extensions | Ericsson | 33.117 | 0173 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240071 | Editorial Updates to Section 4.3.5.1 of TS 33.117 for clarification | IIT Bombay | 33.117 | 0174 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240117 | Updates to Section 4.3.5.1 of TS 33.117 for clarification | IIT Bombay | 33.117 | 0174 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240072 | Editorial Updates to Section 4.3.6.2 of TS 33.117 for clarification | IIT Bombay | 33.117 | 0175 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240118 | Updates to Section 4.3.6.2 of TS 33.117 for clarification | IIT Bombay | 33.117 | 0175 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240073 | Editorial Updates to Section 4.3.6.3 of TS 33.117 for clarification | IIT Bombay | 33.117 | 0176 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240119 | Updates to Section 4.3.6.3 of TS 33.117 for clarification | IIT Bombay | 33.117 | 0176 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240074 | Editorial Updates to Section 4.3.6.4 of TS 33.117 for clarification | IIT Bombay | 33.117 | 0177 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240120 | Updates to Section 4.3.6.4 of TS 33.117 for clarification | IIT Bombay | 33.117 | 0177 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240027 | Clarification of UP Integrity Protection test cases for eNB | BSI (DE) | 33.216 | 0026 | - | Rel-18 | F | SCAS\_eNB | agreed |
| S3-240028 | Clarification of UP IP selection and bidding down prevention of eNB | BSI (DE) | 33.216 | 0027 | - | Rel-18 | F | SCAS\_eNB | agreed |
| S3-240052 | Changes to 4.2.2.1.8 in TS 33.511 | Huawei; HiSilicon | 33.511 | 0055 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240128 | Correct the Requirement from RRC signalling to User data | Huawei; HiSilicon | 33.511 | 0055 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240053 | Changes to 4.2.2.1.12 in TS 33.511 | Huawei; HiSilicon | 33.511 | 0056 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240129 | Change serving network name to gNB | Huawei; HiSilicon | 33.511 | 0056 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240055 | Add certificate enrolment to TS 33.511 | Huawei; HiSilicon | 33.511 | 0057 | - | Rel-18 | B | SCAS\_5G\_Ph3 | not pursued |
| S3-240056 | Peer certificate checking at gNB to TS 33.511 | Huawei; HiSilicon | 33.511 | 0058 | - | Rel-18 | B | SCAS\_5G\_Ph3 | not pursued |
| S3-240059 | Test case update to TS 33.511 | Huawei; HiSilicon | 33.511 | 0059 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240131 | Test case update to TS 33.511 | Huawei; HiSilicon | 33.511 | 0059 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240060 | Change RRC SQN to PDCP COUNT | Huawei, HiSilicon | 33.511 | 0060 | - | Rel-16 | F | SCAS\_5G | revised |
| S3-240132 | Change RRC SQN to PDCP COUNT | Huawei; HiSilicon | 33.511 | 0060 | 1 | Rel-16 | F | SCAS\_5G | agreed |
| S3-240061 | [mirror] correction to TS 33.511 | Huawei, HiSilicon | 33.511 | 0061 | - | Rel-17 | A | SCAS\_5G | withdrawn |
| S3-240062 | [mirror] correction to TS 33.511 | Huawei, HiSilicon | 33.511 | 0062 | - | Rel-18 | A | SCAS\_5G | withdrawn |
| S3-240064 | Change RRC SQN to PDCP COUNT | Huawei; HiSilicon | 33.511 | 0063 | - | Rel-18 | A | SCAS\_5G | revised |
| S3-240133 | Change RRC SQN to PDCP COUNT | Huawei; HiSilicon | 33.511 | 0063 | 1 | Rel-17 | A | SCAS\_5G | agreed |
| S3-240065 | Change RRC SQN to PDCP COUNT | Huawei; HiSilicon | 33.511 | 0064 | - | Rel-17 | A | SCAS\_5G | revised |
| S3-240134 | Change RRC SQN to PDCP COUNT | Huawei; HiSilicon | 33.511 | 0064 | 1 | Rel-18 | A | SCAS\_5G | agreed |
| S3-240029 | Added parameters to NRF discovery authorization | BSI (DE) | 33.518 | 0005 | - | Rel-18 | F | SCAS\_5G\_Ph3 | not pursued |
| S3-240007 | Correct RRC connection reconfiguration to RRC reconfiguration  | Qualcomm Incorporated | 33.523 | 0004 | - | Rel-18 | F | SCAS\_5G\_split\_gNB | merged |
| S3-240031 | Clarification and simplification of test cases regarding UP CP and IP activation at split-gNB | BSI (DE) | 33.523 | 0005 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240085 | Clarification and simplification of test cases regarding UP CP and IP activation at split-gNB | BSI (DE) | 33.523 | 0005 | 1 | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240032 | Clarification of test cases on user data IP and CP in split-gNB | BSI (DE) | 33.523 | 0006 | - | Rel-18 | F | SCAS\_5G\_Ph3 | agreed |
| S3-240033 | Removal of note in GVNP lifecyle management | BSI (DE) | 33.527 | 0002 | - | Rel-18 | F | SCAS\_5G\_Ph3 | not pursued |
| S3-240086 | Removal of note in GVNP lifecyle management | BSI (DE) | 33.527 | 0002 | 1 | Rel-18 | F | VNP\_SECAM\_SCAS, SCAS\_5G\_Ph3 | withdrawn |
| S3-240034 | Fixed typo in VNF traffic separation test case | BSI (DE) | 33.527 | 0003 | - | Rel-18 | F | SCAS\_5G\_Ph3 | revised |
| S3-240087 | Fixed typo in VNF traffic separation test case | BSI (DE) | 33.527 | 0003 | 1 | Rel-18 | D | SCAS\_5G\_Ph3 | agreed |
| S3-240030 | Added parameters to NRF discovery authorization threat reference | BSI (DE) | 33.926 | 0082 | - | Rel-18 | F | SCAS\_5G\_Ph3 | not pursued |
| S3-240057 | Add threat to certificate enrolment | Huawei; HiSilicon | 33.926 | 0083 | - | Rel-18 | F | SCAS\_5G\_Ph3 | not pursued |
| S3-240058 | Add threat to peer certificate checking at gNB | Huawei; HiSilicon | 33.926 | 0084 | - | Rel-18 | F | SCAS\_5G\_Ph3 | not pursued |
| S3-240076 | Add annexure to Security Assurance Specification (SCAS) threats and critical assets in 3GPP network product classes specific to SMSF | IIT Bombay | 33.926 | 0085 | - | Rel-18 | B | SCAS\_5G\_SMSF | revised |
| S3-240121 | Add annexure to Security Assurance Specification (SCAS) threats and critical assets in 3GPP network product classes specific to SMSF | IIT Bombay | 33.926 | 0085 | 1 | Rel-18 | B | SCAS\_5G\_SMSF | agreed |

## Annex C: List of draft Technical Specifications and Reports

|  |  |  |  |
| --- | --- | --- | --- |
| Document | Spec | vers | Doc title |
| S3-240021 | 33.530 | 0.0.0 | Security Assurance Specification (SCAS) for the Unified Data Repository (UDR) |
| S3-240135 | 33.529 | 0.3.0 | Draft TS 33.529 |
| S3-240136 | 33.530 | 0.1.0 | Draft TS 33.530 |

## Annex D: List of participants

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TITLE | Family Name | Given Name | Employer Organization | Organization Represented |
| Mr. | Achter | Johannes | Deutsche Telekom AG | T-Mobile Austria GmbH |
| Mr. | Andreas | Joerg | BSI (DE) | BSI (DE) |
| Dr. | BAGAYOKO | Abdoulaye | Ericsson France S.A.S | Ericsson France S.A.S |
| Mr. | Bai | JingPeng | China Telecomunication Corp. | China Telecomunication Corp. |
| Dr. | Baskaran | Sheeba Backia Mary | Motorola Mobility Germany GmbH | Motorola Mobility Germany GmbH |
| Dr. | Ben Henda | Noamen | Huawei Technologies Sweden AB | HUAWEI Technologies Japan K.K. |
| Mr. | Bhatt | Rakshesh P. | Nokia Japan | Nokia Japan |
| Mr. | Bilca | Michael | OTD\_US | OTD\_US |
| Mr. | Brusilovsky | Alec | InterDigital, Inc. | InterDigital, Inc. |
| Mr. | Buckley | Adrian | OGC | MITRE Corporation |
| Mr. | Cano Soveri | Mirko | ETSI | ETSI |
| Ms. | Carducci | Candace | Johns Hopkins University APL | Johns Hopkins University APL |
| Mr. | Chen | Ben | BJTU | BJTU |
| Miss | chong | vivian | VIVO TECH GmbH | vivo Mobile Communication (H) |
| Mr. | Cichonski | Jeff | NIST | NIST |
| Mr. | Cong | Shi | Guangdong OPPO Mobile Telecom. | OTECH |
| Dr. | Djemai | Tanissia | IRT Saint Exupery | IRT Saint Exupery |
| Mr. | Doerr | Johannes | BMWK | BMWK |
| Mr. | Doubrava | Michael | BSI (DE) | BSI (DE) |
| Mr. | Eckel | Charles | Cisco Systems Belgium | Cisco Systems Belgium |
| Dr. | Engström | Alexander | NDRE | NDRE |
| Dr. | Escott | Adrian | Qualcomm Germany | Qualcomm Germany |
| Dr. | Falk | Rainer | Siemens AG | Siemens AG |
| Mr. | Gabay | David | MITRE Corporation | MITRE Corporation |
| Dr. | Gadgil | Shubhada | IIT Bombay | IIT Bombay |
| Dr. | Gallo | Luigi | TELECOM ITALIA S.p.A. | TELECOM ITALIA S.p.A. |
| Mr. | Gao | Weihan | China Telecom Corporation Ltd. | China Telecom Corporation Ltd. |
| Mrs. | Godoy | Gabriela | SDI Squared | SDI Squared |
| Mr. | Goldberg | Martin | U.S. National Security Agency | U.S. National Security Agency |
| Mr. | Grewal | Rajpreet Singh | NTIA | NTIA |
| Dr. | Grime | Matthew | NCSC | NCSC |
| Ms. | Guo | Ivy | Apple Computer Trading Co. Ltd | Apple Computer Trading Co. Ltd |
| Mr. | Guo | Longhua | HUAWEI TECH. GmbH | HuaWei Technologies Co., Ltd |
| Mr. | Guo | Tao | Huawei Technologies France | Huawei Technologies Japan K.K. |
| Dr. | Guo | Yanfei | Huawei Device Co., Ltd | Huawei Tech.(UK) Co.. Ltd |
| Prof. | Hanawal | Manjesh Kumar | IIT Bombay | IIT Bombay |
| Mr. | Hanhisalo | Markus | Ericsson LM | Ericsson Inc. |
| Mr. | Harper | Colby | Pivotal Commware | Pivotal Commware |
| Mr. | Hu | Li | vivo Mobile Communication Co., | vivo Mobile Communication (H) |
| Miss | Huang | Xiaoting | China Mobile Com. Corporation | China Mobile Com. Corporation |
| Mr. | Ing | John | Public Safety Canada | Public Safety Canada |
| Mr. | Jha | Pranav | IIT Bombay | IIT Bombay |
| Dr. | K | Sowjanya | TSDSI | IIT Delhi |
| Mr. | Kakinada | Achari | Charter Communications, Inc | Charter Communications, Inc |
| Mr. | Kaliyaraja | Mahadevan | Elena | Elena |
| Dr. | Kamran | Rashmi | IIT Bombay | IIT Bombay |
| Miss | ke | xiaowan | vivo Mobile Communication Co., | vivo Mobile Com. (Chongqing) |
| Dr. | Keesmaat | Iko | TNO | TNO |
| Dr. | Kiani | Abbas | Futurewei | Futurewei |
| Dr. | Kilgour | Kit | Sepura Ltd | Sepura Ltd |
| Mr. | Kim | Anbin | LG Electronics France | LG Electronics Polska |
| Ms. | Koser | Elizabeth | U.S. National Security Agency | U.S. National Security Agency |
| Mr. | Lee | Xiaoyang | CISA ECD | CISA ECD |
| Dr. | Lei | Ao | HUAWEI TECHNOLOGIES Co. Ltd. | HUAWEI TECH. GmbH |
| Dr. | Lei | Zander (Zhongding) | HuaWei Technologies Co., Ltd | Huawei Technologies (Korea) |
| Mr. | Li | He | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Device Co., Ltd |
| Dr. | Li | Lun | HuaWei Technologies Co., Ltd | HUAWEI TECHNOLOGIES Co. Ltd. |
| Mr. | Li | Meng | Guangdong OPPO Mobile Telecom. | OPPO Beijing |
| Mr. | Li | Michael | Ericsson LM | Ericsson LM |
| Miss | Li | Mingxue | China Telecommunications | China Telecom Corporation Ltd. |
| Dr. | Liang | Henry (Haoran) | Xiaomi Communications | Xiaomi Communications |
| Mr. | LIU | Jianning(Carry) | Beijing Xiaomi Software Tech | Xiaomi Communications |
| Miss | Liu | Peilin | ZTE Corporation | ZTE Corporation |
| Mr. | Liu | Yuze | ZTE Corporation | ZTE JAPAN K.K. |
| Mr. | Lopez | Luis | Oracle Corporation | Oracle Corporation |
| Mr. | Lorenz | Ben | BSI (DE) | BSI (DE) |
| Mr. | Loushine | Mike | AT&T | AT&T |
| Mr. | Lu | Fei | Guangdong OPPO Mobile Telecom. | Chengdu OPPO Telecommunication |
| Ms. | Lu | Wei | Xiaomi Technology | Xiaomi Technology |
| Mr. | Lyu | Huazhang | vivo Mobile Communication Co., | iQoo |
| Mr. | Manganahalli Jayaprakash | Sandesh | TNO | KPN N.V. |
| Mr. | MAO | Yuxin | Beijing Xiaomi Mobile Software | Beijing Xiaomi Software Tech |
| Mr. | Monrad | Atle | InterDigital, Europe, Ltd. | InterDigital Pennsylvania |
| Dr. | Murphy | Sandra | Comcast | Comcast |
| Mr. | Nair | Suresh | Nokia Germany | Nokia |
| Dr. | Nakano | Yuto | KDDI Corporation | KDDI Corporation |
| Mr. | Nas | Peter | F5 | F5 |
| Mrs. | Nisbeth | Daphanie | U.S. National Security Agency | U.S. National Security Agency |
| Mr. | Norton | Mark | U.S. Department of Defense | U.S. Department of Defense |
| Mr. | Orkopoulos | Stawros | Nokia Germany | Nokia Germany |
| Ms. | Parambath Sasi | NIvedya | Samsung R&D Institute India | Samsung R&D Institute India |
| Mr. | Parsel | Mike | T-Mobile USA | T-Mobile USA Inc. |
| Mr. | Pätzold | Thomas | Deutsche Telekom AG | Deutsche Telekom AG |
| Mrs. | Pauliac | Mireille | THALES | THALES |
| Dr. | Pu | Hongyi | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Telecommunication India |
| Mr. | Pudney | Chris | VODAFONE Group Plc | VODAFONE Group Plc |
| Mr. | Qi | Minpeng | China Mobile Research Inst. | China Mobile Com. Corporation |
| Mr. | Rajadurai | Rajavelsamy | Samsung R&D Institute UK | Samsung Electronics Co., Ltd |
| Ms. | Rajendran | Rohini | Samsung R&D Institute India | Samsung R&D Institute UK |
| Mr. | Rath | Paresh | U.S. Department of Defense | U.S. Department of Defense |
| Ms. | Rollason | Sophie | National Technical Assistance | National Technical Assistance |
| Mrs. | Rong | Wu | HUAWEI TECHNOLOGIES Co. Ltd. | HiSilicon Technologies Co. Ltd |
| Mr. | Roy | Michel | InterDigital, Inc. | InterDigital New York |
| Mr. | Saleem | Imran | Huawei Tech.(UK) Co.. Ltd | Huawei Technologies R&D UK |
| Ing. | Sánchez | Antonio | Keysight Technologies UK Ltd | Keysight Technologies UK Ltd |
| Mr. | Schroeder | Thomas | Deutsche Telekom AG | Deutsche Telekom AG |
| Mr. | Schumacher | Gregory | Peraton Labs | Peraton Labs |
| Mr. | Scribano | Gino | Johns Hopkins University APL | Johns Hopkins University APL |
| Mr. | Sedkowski | Wiktor | Nokia Germany | Nokia Poland |
| Mr. | Shang | Chao | Xidian University | Xidian University |
| Miss | shang | zhengyi | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Dr. | Sharma | Anjali | IIT Bombay | IIT Bombay |
| Ms. | Shen | Jun | China Telecommunications | China Telecomunication Corp. |
| Dr. | Son | Jung Je | InterDigital Communications | InterDigital Canada |
| Ms. | Stange | Miyana | umlaut | umlaut |
| Mr. | Suzuki | Hajime | CSIRO | CSIRO |
| Ms. | Tang | Tingfang | Beijing Xiaomi Mobile Software | Xiaomi EV Technology |
| Dr. | Targali | Yousif | Verizon UK Ltd | Verizon Sweden |
| Dr. | Tsiatsis | Vlasios | Ericsson LM | Ericsson España S.A. |
| Mr. | Vujcic | Dragan | IDEMIA | IDEMIA |
| Mr. | Vyas | Ashish | Department of Telecom | Department of Telecom |
| Mr. | Wang | Guanzhou | InterDigital Communications | InterDigital Communications |
| Mr. | Wang | Wen | vivo Mobile Communication Co., | GUANGDONG GENIUS TECHNOLOGY CO |
| Ms. | Warren | Denisha | U.S. National Security Agency | U.S. National Security Agency |
| Mr. | Wong | Marcus | OPPO | OPPO |
| Mr. | Woodward | Tim | Motorola Solutions Danmark A/S | Motorola Solutions UK Ltd. |
| Ms. | WU | Jinhua | Beijing Xiaomi Mobile Software | Beijing Xiaomi Mobile Software |
| Miss | Wu | Yizhuang | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies Sweden AB |
| Mrs. | Xiang | Amanda | Futurewei Technologies | Futurewei Technologies |
| Mr. | Xie | Zhenhua | vivo Mobile Communication Co., | Nanjing Weibo |
| Dr. | Yao | Ge | China Unicom | China Unicom |
| Dr. | Zhang | Amy | vivo Japan KK | vivo Mobile Com. (Chongqing) |
| Dr. | Zhang | Bo | HUAWEI TECHNOLOGIES Co. Ltd. | Huawei Technologies France |
| Ms. | Zhang | Leyi | ZTE FRANCE SASU | ZTE FRANCE SASU |
| Dr. | Zhou | Lei | New H3C Technologies Co., Ltd. | New H3C Technologies Co., Ltd. |
| Mr. | Zhu | Zengbao | BUPT | BUPT |

## Annex E: List of future meetings

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title | Start date | End date (OP) | Town | Country | Reference |
| SA3#115 | 2024-02-26 | 2024-03-01 | Athens | Greece | S3-115 |
| SA3#93-LI | 2024-04-16 | 2024-04-19 | US | US | S3-93-LI |
| SA3#116- | 2024-05-13 | 2024-05-17 | Jeju | KR | S3-116 |
| SA3#94-LI | 2024-07-09 | 2024-07-12 | EU | EU | S3-94-LI |
| SA3#117 | 2024-08-26 | 2024-08-30 | Maastricht | NL | S3-117 |
| SA3#118 | 2024-10-07 | 2024-10-11 | India | IN | S3-118 |
| 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 |