|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Agenda**  | **Topic**  | **TDoc** | **Title**  | **Source**  | **Type**  | **Notes** | **Decision**  | **Replaced-by**  |
| 1 | Agenda and Meeting Objectives  | S3‑240000 | Agenda  | SA WG3 Chair  | agenda  |    | agreed |  |
|    |    | S3‑240001 | Detailed agenda  | SA WG3 Chair  | agenda  |    | noted |  |
|    |    | S3‑240002 | Emeeting process  | SA WG3  | agenda  |   <CC1>Chair: official Monday, informal Tuesday, Wednesday, wind up official calls Thursday, FridayE//: good proposal, Official Monday, Tuesday informal on WednesdayE//: necessary to make comment known on email, too?Chair: take official position on Thursday and FridayAlf: taking notes, if they are incorrect, please send on email reflector the correct position.QC: not ok for Friday meeting to have decision powerChair: only for resolving contentionQC: 002 last revision should be 25 of jan, inconsistent with slide. Chair: correctQC: meeting with decision powerChair: yesAgenda agreed</CC1><end of CC1>Chair: Noamen please send list of GSMA related tdocs and maintenanceNoamen: okHuawei: some revisions are major rewrites, but not well justifiedNokia: some GSMA comments require major clarificationMitre: GSMA comments should not limit us in case we see other instances of the same.Huawei: some udates are missing references and justificationChair: please provide concrete suggestions on emailE//: ask for correct work item to be usedMirko: find WI code based on releaseHuawei: for GSMA updates, we are targtting R18, use that work itemE//: so SCAS\_Ph3?Huawei: yes, as it includes maintenance</end of CC1<CC3>Huawei: concerns how to feedback to GSMA if there is no agreement on their proposals, as there will be a lot of workGSMA: source of those comments come from regulators, if choose not to fix comments, the SCAS would not to be fit for purpose, so alternative could be common criteriaChair: where would reconciliation take place?GSMA: send LS to GSMA to explain why SA3 didn't fix some of the issues, and discuss with GSMA. Case by case.Tmobile: GSMA looks at SCASes, mostly the comments are editorial, for GSMA to endorse new SCAS there will be a rigorous process. Huawei: not in anyone's interest not to address the feedback, prefer to have an official LS from GSMA to which to respond,better to formalize the process a bit more</CC3> | noted |  |
| 2 | Meeting Reports  |  |    |    |    |    |  |  |
| 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: on unused software | BSI(DE) | CR | [Huawei] : request revision.[BSI] : will provide revision.<CC1>Michael presentsComments already on emailMitre: editorials</CC1>[BSI] : Incorporated feedback and provided revision 1.[Huawei] : fine with r1. | R1 agreed |  |
|  |  | S3‑240004 | GSMA clarification: no unused functions | BSI(DE) | CR | [Nokia] : clarification is required for terms, e.g., functions, etc.[BSI] : Nokias request refers to the baseline, not the CR itself.[Huawei] :Requires clarification.[BSI] : will provide revision.<CC1>Michael presentsComments already on emailChair: comments contentious?BSI: prefer not to revisit definitions, limit revisions to new textChair: restrict to GSMA comments, don't expand scope more than requiredBSI: in general fine, but may be some low hanging fruit in some placesChair: okE//: point 1, what was there before in this test case?BSI: trying to clarify the concept of functionE//: note 2 and 3 for making easier for tester?BSI: yesE//: addition of hardware in resultBSI: more for completenessNokia: also asking on hardware perspective, what does this mean from product perspective, when there is redundancy does this mean unplugging thingsDCM: make clear that there is documentation of the functionality, I don't see unplugging required, this contribution is clarification, more updates separate CRNokia: send update on email if requiredE//: is this addressing GSMA input?BSI: yesOppo: clarification of undocumented hardware – not mentioned by GSMA, should this be reflected back to GSMA?Chair: this would make it a big topicDCM: maybe separate hardware and software in a future description of the test caseMitre: if SA3 feels it is required, SA3 should do itChair: concrete comments in email</CC1>[MITRE] : Editorials - please check the styles and the baseline document that was used for the CR.[BSI] : Incorporated feedback and provided revision r1[Huawei] : request a further change.[BSI] : provides revision 2 implementing requested changes of huawei | R2 agreed |  |
|  |  | S3‑240005 | GSMA clarification: no unsupported components | BSI(DE) | CR | [Nokia] : clarification is required for terms, e.g., component,[BSI] : Nokias request refers to the baseline, not the CR itself.[Huawei] :Requires clarification.[BSI] : will provide revision.CC1>Michael presentsMitre: there may be an issue with COTS hardwareBSI: vendor needs to ensure lifetime supportNokia: comments will be on emailE//: here clarifies that component list is in documentation, is that the caseDCM: does that mean SBOM?Chair: hardware not included in SBOMDCM: agree BSI: SBOM and generic description "components" on hardware side</CC1>[BSI] : Incorporated feedback and provided revision 1.[Huawei] : request a further change.[BSI] : provides revision 2 implementing requested changes of huawei<CC4>Huawei: reply in email, it's okE//: software libraries and hardware components are available – discussion was to take it outBSI: ok, remove it in the revision</CC4>[BSI] : provides revision 3 with removed 1st execution step as requested by ericsson[Ericsson] : revision 3 is ok, only minor cover page comment about the rev | R3 agreed |  |
|  |  | S3‑240006 | GSMA clarification: File system Authorization privileges | BSI(DE) | CR | [Nokia] : clarification is required for term 'authorization privilege'[BSI] : Nokias request refers to the baseline, not the CR itself.[Huawei] :Requires clarification.[BSI] : will provide revision.<CC1>Michael presentsNo comments</CC1>[MITRE] : Does the 'Expected evidence' section need further additions?.[BSI] : Incorporated feedback and provided revision r1 | R1 agreed |  |
|  |  | S3‑240007 | Correct RRC connection reconfiguration to RRC reconfiguration | Qualcomm Incorporated | CR | <CC1>Adrian presentsQC: 0031 makes technical changes, overlapping, may need to merge into 0031Discussion moved to 0031</CC1> | Merged in #0031 |  |
|  |  | S3‑240008 | Test Case on Password Storage Support | Nokia, Nokia Shanghai Bell, BSI | CR | CC1>Sawros presentsMitre: shouldn't we define non broken rather than remove itNokia: easier solution Mitre: may be wrong baselinieNokia: changes are not affected by update to 18.2, will create updateChair: can this be done by Mirko?Nokia: need a revisionHuawei: not agreed in GSMA, just Nokia input?Nokia: correct not related to GSMA inputDCM: dictionary and rainbow table should be considered separate attacksMitre: not specific to Rainbow tables, about data in storage</CC1>[Nokia] is sharing revision 1 of S3-240008[Nokia] clarification for attack types<CC3>Nokia: usage of non-broken is put back into the revision, dictionary and rainbow attack are different, so only rainbow is taken into considerationHuawei: ok with leaving out dictionaryE//: need to show the baseline changes for baselinie referenceDCM: dictionary attacks still relevant, need bcryptNokia: disagree, offline only rainbow table attacks need to considered, not attack with plaintextChair: Please work offline to arrive at proper text, excluding any attack types was not the intention of the contribution.</CC3>[Nokia] is sharing revision 2, with reintroduced dictionary attack[Huawei] fine with r2 and comments on the relevance of which attack<CC4>Nokia: r2 availableHuawei: ok with revisionDCM: okE//: editorial cleanup required, show that dictionary attack was existing previously</CC4>[Nokia] is sharing revision 3, with changes done on version 18.2.0 | R3 agreed |  |
|  |  | S3‑240009 | Test Case on No Default Content | Nokia, Nokia Shanghai Bell | CR | [BSI] : terms, version, pre-condition, typo, evidence[Huawei] does not agree with this contribution in its current form due to the extent of changes and lack of justification.[Nokia] is providing response to all comments[Huawei] proposes to convert and merge this in a draft CR to be used as a living documents until all the changes are properly discussed, refined and agreed.[Nokia] : is providing revision 1 of S3-240009 to 240013<CC2>Stawros presents r1E//: new things added as evidence why added this?Nokia: addressing a commentBSI: more evidence is necessary, logfile not sufficientE//: this is more something from documentation, not really test output, maybe not so good ideaBSI: ok to remove vendor documentationHuawei: sent comments, too, now too many changes, convert to draft CR, as TS are in use, changes need to be carefully reviewed, merge all the changes into one draft CRMitre: helpful if the feeling is it is going beyond cat F, please point out exactly where it is cat B.E//: because there is a phase 3 WID, we could turn those CRs into draft CRs, but if that was not limited to those, then revert this proposalChair: multiple documents or single document?Huawei: yesStawros: can put all 5 proposals into one document, but what is the problem with the current revisionDCM: what constitutes a feature in SCAS?Continue on emailHuawei: subjectivity and clarification questions could be addressed, just need more timeChair: how to address the GSMA comments?Huawei: only relevant for March plenaryDCM: need to be wary of time issueGSMA: specific comments are relevant, but GSMA tried to be general in their comments, and those comments are the minimum, and the result should make the regulators happy. Also encourage improvements of other test cases.Oppo: focus on essential changes for tis meeting, other for before next meetingHuawei: why needs device under test needs to be added to this test case only? Just an example in this documentNokia: make a lightweight version, discuss tomorrow, and see where it goingHuawei: ok with this proposals</CC2>[Nokia] is sharing revision 2, based on the agreements from our meeting yesterday (Day#2)[Huawei] still disagrees with the changes to the test.[Nokia] would like to understand why the proposed changes 'are completely modifying the test'[Huawei] replies[Nokia] is sharing revision 3, based on feedback from Huawei, and is also introducing new proposed text on the pre-condition for automated assessment tool<CC4>Nokia: provides r3Huawei: will confirm by email, also affects other documentsNokia: if ok, will update the other documents likewise (10, 11, etc)</CC4>[Nokia]: is sharing revision 4, with changes only on the baseline 18.2.0[Huawei] fine with r3 | R3 agreed |  |
|  |  | S3‑240010 | Test Case on No Directory Listings | Nokia, Nokia Shanghai Bell | CR | [BSI] : terms, version, evidence, questions, typo[Huawei] does not agree with this contribution in its current form due to the extent of changes and lack of justification.[Nokia] is providing response to all received comments[Huawei] proposes to convert and merge this in a draft CR to be used as a living documents until all the changes are properly discussed, refined and agreed.[Nokia] is sharing revision 2, with changes as agreed in yesterday's meeting (Day#2)[Huawei] still disagrees with the changes to the test.[Nokia]: is sharing the revision 3, this version has revisions marks only on 18.2.0[Huawei] fine with r3[Nokia]: is sharing the final version in draft folder | R3 agreed |  |
|  |  | S3‑240011 | Test Case on No Web Server Header Info | Nokia, Nokia Shanghai Bell | CR | [BSI] : terms, version, evidence, questions, typo[Huawei] does not agree with this contribution in its current form due to the extent of changes and lack of justification.[MITRE] Looks good, needs some editorial fix's and the cover sheet could be improved.[Nokia] is providing responses to all received comments[Nokia] is responding to the MITRE feedback[Huawei] proposes to convert and merge this in a draft CR to be used as a living documents until all the changes are properly discussed, refined and agreed.[Nokia] is sharing the revision 2 of the document, with changes as agreed during the meeting yesterday (Day#2)[Huawei] still disagrees with the changes to the test.[Nokia]: is sharing revision 3, with revision marks on baseline 18.2.0[Huawei] fine with r3[Ericsson] fine with r3, revision in the cover page should be corrected when uploading the final document | R3 agreed |  |
|  |  | S3‑240012 | Test Case on No Web Server Error Pages Info | Nokia, Nokia Shanghai Bell | CR | [BSI] : terms, version, evidence, questions, typo[Huawei] does not agree with this contribution in its current form due to the extent of changes and lack of justification.[Nokia] is responding to all comments[Huawei] proposes to convert and merge this in a draft CR to be used as a living documents until all the changes are properly discussed, refined and agreed.[Nokia] is sharing the revision 2 of the document, with changes as agreed during the meeting yesterday (day#2)[Huawei] still disagrees with the changes to the test.[Nokia]: is sharing revision 3, this version includes revision marks only on baseline 18.2.0[Huawei] fine with r3 | R3 agreed |  |
|  |  | S3‑240013 | Test Case on No Web Server File Type Mappings | Nokia, Nokia Shanghai Bell | CR | [BSI] : terms, version, pre-condition, evidence[Huawei] does not agree with this contribution in its current form due to the extent of changes and lack of justification.[Nokia] is responding to all comments[Huawei] proposes to convert and merge this in a draft CR to be used as a living documents until all the changes are properly discussed, refined and agreed.[Nokia] : is providing revision 1 of S3-240009 to 240013[Nokia] is sharing the revision 2 of the document, with changes as agreed in our meeting yesterday (day#2)[Huawei] still disagrees with the changes to the test.[Nokia]: is sharing revision 3, which has revision marks only on 18.2.0 baseline document[Huawei] fine with r3 | R3 agreed |  |
|  |  | S3‑240014 | Assessment tool definition | Keysight Technologies UK Ltd | CR | <CC2>Antonio presentsKeysight: needs to review??: category D correct?DCM: should be FE//: is this automatic?Keysight: yesChair: provide text if not ok</CC2>[Keysight]: Changed category from D to F in r1[Nokia]: is commenting on the definition of the term 'Automatic assessment tool'[Keysight]: Respond to Nokia[Nokia]: is providing a suggestion for definition of 'Automated Assessment Tool'[Keysight]: Respond to Nokia and new proposal[Nokia]: is responding the updated proposal from Keysight[MITRE] provides suggestion for definiton.[Keysight]: Proposal merging MITRE and Nokia definitions[Nokia]: is providing feedback to the latest proposal[MITRE] fine with proposed text.<CC4>E//: affects other docs like 0066, on 0066: no normative language if it is optionalNokia: should is optionalDCM: also add which assessment tool was usedKeysight: add to expected resultDCM: maybe add in one place?E//: formulation with Nokia proposal 008 not alignedKeysight: agreed in meeting this wayHuawei: separate CR, leave for next meetingE//: ok, but maybe definition is interpreted as one global toolKeysight: the understanding is to use different tools.Mitre: tool can be used for different purposes</CC4> | Revision#? |  |
|  |  | S3‑240015 | Discussion Paper on PCF SCAS contents | BSI(DE) | discussion | <CC2>Jörg presentsE//: what should be outcomeBSI: agree that even without specific test cases can reach 80%E//: normally rapporteur just says whether 80% has been reachedChair: yesHuawei: so no annex about PCF to 33.926Oppo: at 80% send to plenary for informationDCM: just make it ready for sending for approval</CC2> | noted |  |
|  |  | S3‑240016 | Improving the SCAS specification way of work | Nokia, Nokia Shanghai Bell | discussion | [BSI] : clarification required for Observation 2 and 3, objection of recommendation (R2) and (R3) in this strict form[Huawei] provides comments<CC2>Stawros presentsHuawei: agree with some of the observation, need an SPD, convert 0015 to annex to 926 to address Nokias concernsE//: inline with discussion in last couple of meetings, often 117 test cases cover everythingBSI: without specific document, it is difficult to add specific casesGSMA: not ok recommendation 2 – no risk analysis has been done, only threat analysis, not ok to endorse as isNokia: that is correct, risk analysis has not been done as implementation specifc, in R2 should refer to threat analysisE//: threat analysis is sufficientHuawei: can't endorse on the fly</CC2>[Nokia] : is providing response to BSI[Nokia] provides response to Huawei | noted |  |
|  |  | S3‑240017 | Minimized kernel network functions (TC\_IP\_MULTICAST\_HANDLING) | Deutsche Telekom AG | CR | MCC made comments on the cover page (wrong WID used, no summary of the changes) and the body of the CR (missing clause header).<CC2>Johannes presentsDCM: change of test case (forward vs listen), difference IPv4 and IPv6, will send update by emailThe contribution needs major revisions.DT provides and updated version in the draft folder with changes proposed for the cover sheet and reproducing the whole clause. However, as the request from NTT DoCoMo is a very valid one, but requires major changes, we propose to note the document and come back addressing those major changes at the next meeting.<CC4>DT: note document, make it better for next meeting.DCM: will help with CR for next meeting</CC4> | Not pursued |  |
|  |  | S3‑240018 | No automatic launch of removable media[TC\_NO\_AUTO\_LAUNCH\_OF\_REMOVABLE\_MEDIA] | Deutsche Telekom AG | CR | [BSI] comments on header, test name, requirement name<CC2>Johannes presentsNo comments</CC2>[DT] provided r1 to incorporate the proposed changes | R1 agreed |  |
|  |  | S3‑240019 | Syn Flood Prevention[TC\_SYN\_FLOOD\_PREVENTION] | Deutsche Telekom AG | CR | MCC made comments on the cover page (wrong WID used, no summary of the changes) and reminded that no comments on the body of the text were allowed.<CC2>Johannes presentsDCM: large is unspecified, needs to be something else, e.g. line rate?Keysight: use numbers from previous attacks, provide on email</CC2>[Keysight] : propose new text for the number of packets in r1[Huawei] : cannot accept r1[DT] DT appreciates the efforts from Keysight to improve the text! We have checked internally and we are fully in line with and support the proposed wording!<CC4>Huawei: commented to r1Keysight: what was the problem?DT: DT was ok with the proposal, Huawei was not ok, DT proposal to say how huge number is calculated in note.Huawei: almost aligned with Huawei, see new versionKesight will make revisionDCM: line speed is massive, maybe this is too much.Huawei: ok with noteDT: need a formula for the testersHuawei: agree with large quantity must be definedE//: maybe half the link speed should be added in the noteDCM: add in the evidence which link speed was usedDT: too many changes discussed, just turn into note.</CC4>[DT] DT provides an update r2 to reflect the comments by Huawei and to incorporate the discussion of CC#3 on the potential way forward.[DT] DT provides a revision r3 to reflect the proposal made in CC#4 to extend the expected format of evidence with the number of SYN packets sent. This is for the sake of completeness.[Huawei] we are fine with r3. | R3 agreed |  |
|  |  | S3‑240020 | External filesystem mount restrictions(TC\_EXTERNAL\_FILE\_SYSTEM\_MOUNT\_RESTRICTIONS) | Deutsche Telekom AG | CR | [Nokia] : clarification is required for term 'suitable privilege escalation'?MCC made comments on the cover page (wrong WID used, no summary of the changes) and the body of the CR (comments need to be removed).<CC2>Johannes presentsDCM: add examples for common operating systems for suitable privilege escalation methodHuawei: maybe not social engineering, something else?</CC2>[DT] We have updated the cover page according to the comments. Unfortunately, we were not able to address the request from CC#2 to mention examples of common OS in this test case due to unavailability of internal data. | R1 agreed? |  |
|  |  | S3‑240026 | Clarification of bootable memory device test | BSI(DE) | CR | [Huawei] : request a revision.<CC2>Michael presentsHuawei: had email exchangeE//: evidence: coming back to documentation stuffDCM: make documentation part of evidence should be general and in Phase\_3</CC2>[BSI] : response to huawei.[BSI] : provided revision 1 with incorporated feedback of discussion[Huawei] : reply to BSI[BSI] : reply to Huawei[BSI] : provides revision 2[Huawei] : fine with r2 | R2 agreed |  |
|  |  | S3‑240027 | Clarification of UP Integrity Protection test cases for eNB | BSI(DE) | CR | <CC2>Michael presents</CC2> | agreed |  |
|  |  | S3‑240028 | Clarification of UP IP selection and bidding down prevention of eNB | BSI(DE) | CR | <CC2>Michael presents</CC2> | agreed |  |
|  |  | S3‑240029 | Added parameters to NRF discovery authorization | BSI(DE) | CR | MCC commented that this was not a correction, the category should be B. References to TS 33.501 were missing as well.<CC2>Michael presents</CC2>[Huawei] : request revision for the flexibility.[Ericsson] : propose to postpone and wait for the clarifications of the normative text.[BSI] : will postpone CR | Not pursued |  |
|  |  | S3‑240030 | Added parameters to NRF discovery authorization threat reference | BSI(DE) | CR | <CC2>Michael presentsE//: comment applies to this and previous, need to wait one meeting cycle, work ongoing in 33.501, to be done in next SA3 meetingBSI: would the test case become redundant, or just for sync?E//: they might not be in synchHuawei: big changes, cat B, ok with E// proposal, or make them draft CRs, add threat as new, refer to CT4 spec, and not quote verbatimChair: comments also over email, pleaseDcm: just reference Note 12, so no quotation of text</CC2>[Ericsson] : propose to postpone and wait for the clarifications of the normative text.[BSI] : will postpone CR | Not pursued |  |
|  |  | S3‑240031 | ClarificationandsimplificationoftestcasesregardingUPCPandIPactivationatsplit-gNB | BSI(DE) | CR | <CC1>Michael presentsQC: deletion of "or not needed" needs to be aligned with gNB specificationQC: why is only RRC ciphering is crossed outBSI: take this offline, believe it is aligned with gNBQC: crossing out of decryption, because it is implicit?DCM: regarding "or not needed" clarify whether up to tester or two test cases.Chair: continue on 31</CC1>[Qualcomm]: provides comments on the CR[Huawei]: we will do the alignment to gNB SCAS[BSI]: comments on QC[Qualcomm]: provides some responses[BSI]: provides revision 1[Huawei]: propose a way forward.[BSI]: provides revision 2 and comments on Huawei[Qualcomm]: provides an r3<CC4>BSI: r3, seems to be ok</CC4>[BSI]: we are fine with r3[Huawei]: fine with r3 | R3 agreed |  |
|  |  | S3‑240032 | ClarificationoftestcasesonuserdataIPandCPinsplit-gNB | BSI(DE) | CR | <CC2>Michael presents</CC2> | agreed |  |
|  |  | S3‑240033 | Removal of note in GVNP life cyle management | BSI(DE) | CR | <CC2>Michael presentsHuawei: justification is not clear, the note should take care of proprietary interface, original requirement BSI: understand the limitation betterDCM: proprietary is not ok, should be about internalE//: Note should be in applicability</CC2>[Huawei]: finds the contribution is not acceptable in current form and ask for more justification for removal of this NOTE.[Ericsson]: Thinks that the NOTE should be moved to Pre-Condition part.[BSI] : provided revision 2 with incorporated feedback and extensive justification[Huawei]: propose changes for revision 2.[BSI]: provides r3 with huaweis request implemented[Huawei]: fine with r3.[Ericsson]: we propose to convert this to a draft CR as more time is needed to consider the formulation of the changes.[BSI]: provides r4 with the proposed changes from ericsson | Not pursued |  |
|  |  | S3‑240034 | Fixed typo in VNF traffic separation testcase | BSI(DE) | CR | <CC2>Michael presentsDCM: should be cat D</CC2>[BSI] : provided revision 1 with correct category on cover sheet (F-}D) | R1 agreed |  |
|  |  | S3‑240035 | Clarifications to Basic Vulnerability testcases | MITRE Corporation | CR | [Nokia] : clarification required on the duration time of the fuzzing[Huawei] finds the contribution not acceptable in its current form due to lack of justification and requires retaining only changes related to the reference document (discussed in SA3#113) for now.[MITRE] provides r1 with justification in cover sheet and addresses comments from Nokia and Huawei<CC2>David presents</CC2>[Ericsson] provides comments.[MITRE] provides clarification.[Ericsson]: requests for clarifications.[Nokia] provides comments.[Huawei] supports Nokia and Ericsson comments<CC4>Mitre: will send revision shortlyHuawei: please remove changes over changesMitre: will be cleaned up for r4Nokia: for many CVEs there are no PoCs available, so it is difficult to do this test for "all"E//: agree with NokiaMitre: will address this comment, provide minimal versionE//: vulnerabilities could be documents, could be way format, maybe document which CVEs were tested, do this next meeting.</CC4>[MITRE] provides r2.[Huawei] comments on the changes to the execution steps under clause 4.4.4[Ericsson]: comments on r2. | Agreement? |  |
|  |  | S3‑240036 | Update to the clause 4.2.2.2.2-Protection at the transport layer | Samsung | CR | [Samsung] : provides r1<CC2>Rajvel presents r1</CC2>[MITRE] : Asks why this CR is needed, does section 4.2.2.2.1 Introduction not already state its applicable to SBI[Ericsson] : Provides comments[Ericsson] : Provides reformulation of the proposed text.[Huawei] : Provides reformulation of the proposed text based on Ericsson's proposal.[Samsung] : provides r2 based on the text proposal from Ericsson and Huawei. Further provides clarification on the need for the CR[Ericsson] : requests for clarifications[Huawei] :Reply to Ericsson[Samsung] : provides r3 and clarification<CC4>Samsung: presents revesionHuawei: new sentence should be a noteE//: okSamsung: ok</CC4>[Samsung] : provides r4[Ericsson] : is fine with r4.[Huawei] : fine with r4. | R4 agreed |  |
|  |  | S3‑240037 | Update to the clause 4.2.3.2.4-Protecting data and information in transfer | Samsung | CR | [Samsung] : provides r1<CC2>Rajvel presents r1E//: Comment on cover sheetE//: just publicly available SSH profile, that is still subjectiveChair: how to resolve this, maybe list some examples from SDOs?DCM: removing is not making it better, giving examples is better.</CC2>[Ericsson] : provide comments[Samsung] : provides r2 based on the way forward proposed during the Conf Call#2[Ericsson] : is fine with r2. | R2 agreed |  |
|  |  | S3‑240038 | Update to the clause 4.2.3.3.2-Boot from intended memory devices only | Samsung | CR | [Samsung] : provides r1[BSI] : request revision[Samsung] : provides r2 based on the comments from BSI.<CC2>Rajvel presents r2</CC2> | R2 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 | CR | [Samsung] : provides r1<CC2>Rajvel presents r1</CC2> | R1 agreed |  |
|  |  | S3‑240040 | Updatetotheclause4.2.3.4.3.1-PasswordStructure | Samsung | CR | [Samsung] : provides r1<CC2>Rajvel presents r1E//: WID code change?</CC2> | R1 agreed |  |
|  |  | S3‑240041 | Updates threat references to TS33.117-clauses4.2.2to4.2.3 | ZTE Corporation | CR | <CC2>Peilin presents 0041-0048, changes are too long hence split in to 6 files.Mitre: coversheet update to why these changes are neededE//: was discussed in Chicago, so thank you for doing the workMichael: is the editor's note true?Mitre: are threat references examples or exclusiveZTE: just example</CC2>[MITRE] : requests changes to threat references and more justification in cover sheet[ZTE] : provide r1[MITRE] fine with r1 | R1 agreed |  |
|  |  | S3‑240042 | Updates threat references to TS33.117-clauses4.2.4to4.2.6 | ZTE Corporation | CR | [MITRE] : requests changes to threat references and more justification in cover sheet[ZTE] : provide r1[MITRE] fine with r1. | R1 agreed |  |
|  |  | S3‑240043 | Updates threat references to TS33.117-clauses4.3.2 | ZTE Corporation | CR |  | R1 agreed? |  |
|  |  | S3‑240044 | Updates threat references to TS33.117-clauses4.3.3 | ZTE Corporation | CR |  | R1 agreed? |  |
|  |  | S3‑240045 | Updates threat references to TS33.117-clauses4.3.4 to4.3.5 | ZTE Corporation | CR | [MITRE] : requests changes to threat references and more justification in cover sheet[ZTE] : provide r1[MITRE] provides further comments and will be fine with the r2 with one change[ZTE] : provide r2 | R2 agreed |  |
|  |  | S3‑240046 | Updates threat references to TS33.117-clause4.4.2to4.4.4 | ZTE Corporation | CR | [MITRE] : requests changes to threat references and more justification in cover sheet[ZTE] : provide r1[MITRE] fine with r1 | R1 agreed |  |
|  |  | S3‑240047 | Changes to 4.2.4.1.2.1 | Huawei; HiSilicon | CR | <CC2>He presents, straightforward changes addressing GSMA comments, Tdocs 47-51.<CC2>[Ericsson]: proposes changes[Huawei]: provide r1[Ericsson]: is fine with r1. | R1 agreed |  |
|  |  | S3‑240048 | TS33.117\_Changesto4.2.4.2.2 | Huawei, HiSilicon | CR | [Huawei]: provide r1 in which a meaningful title in the cover is provided. | R1 agreed |  |
|  |  | S3‑240049 | TS33.117\_Changesto4.2.5.3 | Huawei, HiSilicon | CR | [Huawei]: provide r1.[Qualcomm] editorial change requested[Huawei] provide r2[Qualcomm] r2 OK | R2 agreed |  |
|  |  | S3‑240050 | TS33.117\_Changes to 4.2.6.2.1 | Huawei, HiSilicon | CR | [Huawei]: provide r1 in which a meaningful title in the cover is provided. | R1 agreed |  |
|  |  | S3‑240051 | Changes to 4.3.2.1 | Huawei ;HiSilicon | CR | [Ericsson]: Provides comments.[Huawei]: provide r1.[Ericsson]: is fine with r1. | R1 agreed |  |
|  |  | S3‑240052 | Changesto4.2.2.1.8inTS33.511 | Huawei; HiSilicon | CR | <CC2>He presents</CC2>[Huawei]: provide r1 in which a meaningful title in the cover is provided. | R2 agreed |  |
|  |  | S3‑240053 | Changesto4.2.2.1.12inTS33.511 | Huawei; HiSilicon | CR | <CC2>He presents</CC2>[Huawei]: provide r1 in which a meaningful title in the cover is provided.[Qualcomm] editorial change needed[Huawei]: provide r2[Qualcomm] r2 OK | R2 agreed |  |
|  |  | S3‑240054 | TS33.117\_Changesto4.2.2.2.2 | Huawei, HiSilicon | CR | <CC2>He presentsDCM: could be cat D</CC2>[Huawei]: provide r1 in which a meaningful title in the cover is provided.[Ericsson]: provides comments[Ericsson]: is fine with r2. | R2 agreed |  |
|  |  | S3‑240055 | AddcertificateenrolmenttoTS33.511 | Huawei; HiSilicon | CR | MCC commented that this should have been cat-B (not a correction) and that clause 2 was missing from the clauses affected section on the cover page.[Ericsson]: This test seems to be functional test, not security one.<CC3>[Huawei] presents.[Ericsson] comments on 055 and 056. It seems like functional test rather than security test.[BSI] supports this. There are so many functional tests in this area.[Huawei] replies.</CC3>[Ericsson]: proposes to note this document, as the proposal appears to be more functional test than security test.<CC4>E//: propose to note as said previously, as it is functional testHuawei: ok to note for now</CC4> | Not pursued |  |
|  |  | S3‑240056 | PeercertificatecheckingatgNBtoTS33.511 | Huawei; HiSilicon | CR | MCC commented that this should have been cat-B (not a correction).[ERICSSON]: This test seems to be functional test, not security one.<CC3>[Huawei] presents.</CC3>[Ericsson]: proposes to note this document, as the proposal appears to be more functional test than security test.<CC4>E//: propose to note as said previously, as it is functional testHuawei: ok to note for now</CC4> | Not pursued |  |
|  |  | S3‑240057 | Add threat to certificate enrolment | Huawei; HiSilicon | CR | [Ericsson]: This is related to CMPv2 and it is a threat that points to a functional test ( the one proposed in S3-240055 {https://www.3gpp.org/ftp/TSG\_SA/WG3\_Security/TSGS3\_114e/Docs/S3-240055.zip} )<CC3>[Huawei] presents that is threats related so it can be skipped.</CC3>[Ericsson]: Proposes to note this proposal as it is related to CMPv2 implementation, and it is a threat that points to a functional test (the one proposed in S3-240055 {https://www.3gpp.org/ftp/TSG\_SA/WG3\_Security/TSGS3\_114e/Docs/S3-240055.zip} )<CC4>E//: propose to note as said previously, as it is functional testHuawei: ok to note for now</CC4> | Not pursued |  |
|  |  | S3‑240058 | Add threat to peer certificate checking at gNB | Huawei; HiSilicon | CR | MCC commented that this should have been cat-B (not a correction).[Ericsson]: This is related to certificate checking and it is a threat that points to a functional test (the one proposed in S3-240056 {https://www.3gpp.org/ftp/TSG\_SA/WG3\_Security/TSGS3\_114e/Docs/S3-240056.zip} )<CC3>[Huawei] presents that is threats related so it can be skipped.</CC3>[Ericsson]: Proposes to note this proposal as it is related to the functionality of checking certificate validity, and it is a threat that points to a functional test (the one proposed in S3-240056 {https://www.3gpp.org/ftp/TSG\_SA/WG3\_Security/TSGS3\_114e/Docs/S3-240056.zip} )<CC4>E//: propose to note as said previously, as it is functional testHuawei: ok to note for now</CC4> | Not pursued |  |
|  |  | S3‑240059 | Test case update to TS33.511 | Huawei; HiSilicon | CR | [Nokia] : clarification required on the reduced/restricted logging[Huawei] : reply to Nokia to ask clarification on the question.[Nokia] is answering the question from Huawei[Huawei] : reply to Nokia.[Qualcomm]: makes comment[Huawei] : reply to QC.[Qualcomm]: OK with r1<CC3>[Huawei] presents there is r1 and Qualcomm is ok to r1 now.</CC3>[Nokia]: is OK with r1 | R1 agreed |  |
|  |  | S3‑240060 | Correction to TS33.511 | Huawei, HiSilicon | CR | [Huawei]: provide r1<CC3>[Huawei] presents.</CC3> | R1 agreed |  |
|  |  | S3‑240061 | [mirror]correction to TS 33.511 | Huawei, HiSilicon | CR | <CC3>(mirror)</CC3> | R1? |  |
|  |  | S3‑240062 | [mirror]correction to TS 33.511 | Huawei, HiSilicon | CR | <CC3>(mirror)</CC3> | R1? |  |
|  |  | S3‑240063 | Clarificationfor4.3.4.2-33.117 | Keysight Technologies UK Ltd | CR | MCC commented that this CR should have a rel-18 SCAS WID (e.g, SCAS\_5G\_Ph3). eSCAS\_5G belongs to Rel-17. Also on the cover page, source to TSG: S3.[Keysight]: Provides revision<CC3>Antonio presentsHuawei: other CRs are doing the same change, but not in aligned fashion, better to have same changes everywhereKeysight: can take the actionNokia: CR0014 is defining what is automatic assessment tool, in many test cases this recommendation exists, but try to reexplain assessment tool, just say recommendation: use a toolChair: Antonio holds the pen, make it uniform. Huawei: if definition converges, then each author of contributions that are changing the recommendation just removes this change. Align for next meeting.Chair: not have much time in next meeting, so better to align in this meetingNokia: in recommendation say: "use automatic assessment tool".Oppo: if automatic assessment tool is not available, then what?Huawei: use own skills, maybe keep the restNokia: the whole line is not adding value, that is test lab decision.Huawei: just converge on definition for now, and GSMA comments should be addressedNokia: let's keep recommended, and write automatic test toolE//: maybe better to remove the recommendation, then maybe clarify in TTCN3Mitre: what do the requirements specify?Huawei: why keep this or not, why modify it?Keysight: maybe ok to leave as isTmobile: text seems strange, DCM: maybe the issue is with closed source assessment tools where it is not clear what exactly has been tested for.E//: take it out now, and clarify later on.Chair: is there a definition in 0014Keysight: current state: A software system that aids the user in evaluation of the security of computer programs, systems and/or networksNokia: competing proposal posted, by defining the individual parts: automatic, assessment, and tool: "Automatic Assessment Tool: “An Automatic Assessment Tool is a software component(?) that is operating with minimal human intervention and is performing/running a series of planned tests with the aim to determine how secure the system under test is."Chair: converge on definition and not touch the existing recommendationTmobile: "from NIST Tool Configuration: A recommendation for setting up and using tools that support the automated collection, exchange, processing, analysis, and use of threat information"</CC3><CC4>Keysight: agreed to remove the recommendation, no commentsE//: looks ok</CC4> | Revision#?  |  |
|  |  | S3‑240064 | AddclarificationstoTS33.511 | Huawei; HiSilicon | CR | [Huawei]: provides r1 | R1 agreed |  |
|  |  | S3‑240065 | AddclarificationstoTS33.511 | Huawei; HiSilicon | CR | MCC commented that this should have been cat-F with the WID code eSCAS\_5G (SCAS WID for Rel-17).[Huawei]: reply to MCC, and provide r1 | R1 agreed |  |
|  |  | S3‑240066 | Clarificationfor4.3.4.3-33.117 | Keysight Technologies UK Ltd | CR | [MITRE]: requests minor changes[Ericsson]: provides comments.MCC asked to change the WID on the cover page to SCAS\_5G\_Ph3, add S3 as source for TSG.[Keysight]: Response to MITRE, Ericsson and MCC[MITRE] provides suggestion.<CC3>Antonio presentsMitre: comment on email, nothing major</CC3>[Nokia]: kicks off the discussion on the text of 'Recommended: an automated assessment tool...'[Ericsson]: requests for clarifications for the original document and provides opinion on the automatic test tool.[Huawei] comments on the recommendation formulation[Keysight]: Response to Ericsson[Nokia]: is making a proposal[Keysight]: Propose new rev2 | R2 agreed |  |
|  |  | S3‑240067 | Log transfer to centralized storage | Ericsson | CR | [BSI] points to a small editorial glitch<CC3>Markus presentsContinue on email</CC3>[Ericsson] editorial glitch fixed in revision 2 | R2 agreed |  |
|  |  | S3‑240068 | Growing content shall not influence system functions | Ericsson | CR | <CC3>Markus presents</CC3>[Ericsson] r1 uploaded where only the work item code is updated to SCAS\_5G\_Ph3 | R1 agreed |  |
|  |  | S3‑240069 | Processing of ICMPv4 and ICMPv6 packets | Ericsson | CR | CC3>Markus presentsMitre: changes in document are more than what is given in reason for change</CC3> | R1 Agreed? |  |
|  |  | S3‑240070 | Handling of IP options and extensions | Ericsson | CR | [MITRE] requests minor change[Qualcomm] changed required[MITRE] fine with r1[Ericsson] r2 uploaded based on comments from the conference call[MITRE] fine with r2.<CC3>Markus presents r1QC: add [x] in the referenceE//: ok</CC3>[Qualcomm] r2 OK | R2 agreed |  |
|  |  | S3‑240071 | Editorial Updates to Section 4.3.5.1 of TS 33.117 for clarification | IIT Bombay | CR | [Nokia] : clarification required on the term 'passes', is there a separation of egress and ingress traffic possible[Huawei] comments on the changes[IIT Bombay]: Responding to clarification on the term 'passes'[IIT Bombay]: Incorporated feedback and provided revision r1[Ericsson]: provides comments.[IIT Bombay]: providing revision r2[Huawei] disagrees with the changes to the execution steps.[Nokia] : clarification required on the term 'passes', is there a separation of egress and ingress traffic possible[Huawei] comments on the changes[IIT Bombay]: Responding to clarification on the term 'passes'<CC3>Manjesh presentsHuawei: disagree change in execution step, GSMA only suggested change, so not mandatory to adoptNokia: problem with ingress and egress Huawei: changes to execution steps can be problematic because it is in productionNokia: understand what is the thinking, but need to weigh whether it is necessaryDCM: of with r2, but expected results are a bit unclearHuawei: not fine with the changes to the execution steps, only creating confusion, ok with changing preconditionsTmobile: can't use mustOppo: move some text to Note in execution steps.IITB: if test is already scripted, what is it doing, what should we assume.</CC3>[IIT Bombay]: Incorporated feedback and provided revision r3<CC4>IITB: present r3, should be ok, will clean up</CC4>[Huawei] fine with r3[IIT Bombay]: Cleaned up and incorporated comment in r4[Ericsson]: is fine with r4. | R4 agreed |  |
|  |  | S3‑240072 | EditorialUpdatestoSection4.3.6.2ofTS33.117forclarification | IIT Bombay | CR | [Nokia] : improvement required on the HTTP methods, i.e., change to HTTP requests[Huawei] proposes changes[IIT Bombay]: responding to suggestion on changing 'HTTP methods' to 'HTTP requests'[MITRE] proposes some changes.[IIT Bombay]: Incorporated feedback and provided revision r1[Ericsson]: proposes changes.[IIT Bombay]: providing revision r2[Huawei] fine with r2<CC3>Manjesh presentsMitre: fix stylesIITB: should be fixed</CC3>[IIT Bombay]: provided cleaner version in r3[Ericsson]: is fine with r3. | R3 agreed |  |
|  |  | S3‑240073 | EditorialUpdatestoSection4.3.6.3ofTS33.117forclarification | IIT Bombay | CR | [IIT Bombay]: providing revision r1[Ericsson]: proposes changes.[IIT Bombay]: providing revision r2<CC3>No commentsE//: same discussion on machine/equipment as in 74</CC3>[IIT Bombay]: providing revision r3, tester machine changed to test equipment in pre condition<CC4>IITB: revision should be okE//: preconditions should not have normative language</CC4>[Huawei] requests to align the changes with the accepted formulation in 240074[IIT Bombay]: aligned changes with S3-240074 and provided cleaner version in r4[Huawei] fine with r4 | R4 agreed |  |
|  |  | S3‑240074 | EditorialUpdatestoSection4.3.6.4ofTS33.117forclarification | IIT Bombay | CR | [IIT Bombay]: providing revision r1[MITRE] requests changes and clarifications[IIT Bombay]: providing revision r2[MITRE] fine with r2.<CC3>Manjesh presentsIITB: inconsistent use of terms tester machine and test equipment, what to useHuawei: no need to change, hasn't been an issueChair: why using tester machine, in this test normally called test equipmentIITB: because that's what it's called in 33.117Chair: stay with one term inside the test case.</CC3>[Huawei] proposes to soften the language in the preconditions.[IIT Bombay]: Incorporating suggestions and providing r3<CC4>IITB: revision should be okE//: preconditions should not have normative language</CC4>[Huawei] fine with r3[IIT Bombay]: provided cleaner version in r4 | R4 agreed |  |
| 4.1.2 | Service Based Architecture |  |  |  |  |  |  |  |
| 4.1.3 | Security Aspects of Proximity based services in 5GSProSe |  |  |  |  |  |  |  |
| 4.1.4 | Mission Critical |  |  |  |  |  |  |  |
| 4.1.5 | Authentication and key management for applications based on 3GPP credentialin 5G |  |  |  |  |  |  |  |
| 4.1.6 | Enhancements to User Plane Integrity Protection Support in 5GS |  |  |  |  |  |  |  |
| 4.1.7 | Security AspectsofEnhancementsfor5GMulticast-BroadcastServices |  |  |  |  |  |  |  |
| 4.1.8 | Security for enhanced support of Industrial IoT |  |  |  |  |  |  |  |
| 4.1.9 | Security Aspects of eNPN |  |  |  |  |  |  |  |
| 4.1.10 | Security Aspects of Enhancementof Support for Edge Computingin 5GC |  |  |  |  |  |  |  |
| 4.1.11 | Security aspects of Uncrewed Aerial Systems |  |  |  |  |  |  |  |
| 4.1.12 | Security Aspects of Ranging Based Services and Side link Positioning |  |  |  |  |  |  |  |
| 4.1.13 | SecurityAspectsofeNA |  |  |  |  |  |  |  |
| 4.1.14 | ModifiedPRINSforroamingserviceprovidersin5G |  |  |  |  |  |  |  |
| 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 | SecurityAssuranceSpecification(SCAS)fortheUnifiedDataRepository(UDR) | BSI(DE) | Draft TS | <CC1>Jörg presentsOppo: is a cover needed for this?Chair: yesBSI: draft TSMirko: is ok</CC1>. | agreed |  |
|  |  | S3‑240022 | ScopedefinitionfordraftTS33.530 | BSI(DE) | pCR | <CC1>Jörg presentsNo comments</CC1> | agreed |  |
|  |  | S3‑240023 | IntroductionfordraftTS33.530clause4 | BSI(DE) | pCR | <CC1>E//: same text as scope, look at UDM textBSI: ok, will update</CC1>[BSI] : is providing revision 1 of S3-240023[Huawei] : Huawei is fine with r1. Thanks.[Ericsson] : is fine with r1. | R1 agreed |  |
|  |  | S3‑240024 | UDR-specificsecurityrequirementsandrelatedtestcasesfordraftTS33.530 | BSI(DE) | pCR | <CC1>Jörg presentsNo comments</CC1>[Huawei] : proposal on the internal interface. | agreed |  |
|  |  | S3‑240025 | DiscussionoftheprotectionmechanismofthepermanentkeyleavingtheUDRenvironment. | BSI(DE) | discussion | Agreement <CC1>Jörg presentsNokia: already made a comment on email: TLS shall be used, why is it possible to have no security? On authorization security: two levels of security, what is the necessity here when data is anyway protected on first levelE//: discussion paper more on normative work, not on SCAS, TR33.845 was studying that, maybe revisit.Huawei: if 33.541 needs to be revisited is a separate discussion not test case. In case of internal interface, is it applicableBSI: yesDCM: need to ensure that internal interfaces are not externally accessibleHuawei: meaning that the interface is not exposedNokia: if the person testing is sitting in front of the UDM is not seeing the UDR interface</CC1>[Nokia] : clarification required for the part under heading 'transfer security'[Nokia] : clarification required for the part under heading 'authorization security'[Huawei] : Clarification on the deployment mode of UDR.[Nokia] is providing reference to discussion document on the different UDR architecture and implementation options[Ericsson]: provides comments.[BSI] : clarification for the part under heading 'authorization security'[BSI] : answer to Huawei proposal on the internal interface.[BSI] : answer to Clarification on the deployment mode of UDR.[BSI]: answer the provided comments.[Huawei] : Propose to Note this discussion paper.[BSI] : answer to propose to Note this discussion paper. | noted |  |
| 4.3 | NewWIDonSCASforRel-18featuresonexistingfunctions. |  |  |  |  |  |  |  |
| 4.4 | NewWIDon5GSecurityAssuranceSpecification(SCAS)fortheShortMessageServiceFunction(SMSF). | S3‑240075 | DiscussionofDiameterinterfaceatSMSFtodefinerequirementsforSecurityAssuranceSpecificationsforSMSF | IIT Bombay | discussion | <CC1>Manjesh presentsJust discussion paperManjesh: just introducing diameter interface as an assetE//: so no new requirement, requirement already exists in specsHuawei: in general, there is no NDS IP support requirement for network productsNokia: update to R17? How is the intrerworking with LTE R17 handled now that we are on R19Huawei: no difference to other standards, as long as no new requirement is introduced</CC1> | noted |  |
|  |  | S3‑240076 | AddannexuretoSecurityAssuranceSpecification(SCAS)threatsandcriticalassetsin3GPPnetworkproductclassesspecifictoSMSF | IIT Bombay | CR | Approval<CC1>Manjesh presentsDCM: are all network product classes new annexesOppo: okHuawei: make draft CR first as living document, then later convert to CR together with SCAS TSHuawei: is new threat on interface protection required? Already exists and sufficient, details on emailHuawei: asset and threat discussion should be separate. Currently no necessity of adding threat partMitre: is this work item allocated for R19?Huawei: this work is R19</CC1>[Huawei] : Suggest to remove the threats on the interface protection.[IIT Bombay]: seeking clarity on the suggestion[Huawei] : provide clarification on the threats.[IIT Bombay]: removing the threat section and providing r1MCC commented that the WID on the cover page should be SCAS\_5G\_SMSF. Clauses affected should be Annex X (new) and summary of changes was missing. They added some other minor comments for the body of the CR.[IIT Bombay]: Incorporated feedback and provided revision r2[Huawei] : fine with r2. Thanks. | R2 agreed |  |
|  |  | S3‑240077 | NewrequirementinSCASforSMSFdraftTS33.529 | IIT Bombay | pCR | <CC1>Manjesh presentsHuawei: discussion paper clarifies that three options can be used, but not all options are implemented, need to consider this in the test cases, more on email</CC1>[Huawei] : request clarificaiton on the flexibility.[IIT Bombay]: Agreeing to the suggested change[Huawei] : fine with r1. Thanks. | R1 agreed |  |
|  |  | S3‑240078 | SMSFSpecificSecurityrequirementandtestcasefordraftTS33.529 | IIT Bombay | pCR | <CC1>Manjesh presentsMarcus: test case in 33.117 looks very similar, what is the difference?Manjesh: there is a note hereHuawei: SMSF is not only network product that supports diameter, there are SCAS test available, so no need for specific testChair: reference specific testHuawei: will send clause number by email</CC1>[Nokia] : clarification required on the execution steps[Huawei] : request clarificaiton on the necessity.[IIT Bombay]: Providing clarification on the necessity of the test case[IIT Bombay]: providing clarifications to the queries[Huawei] : Provide feedback.[IIT Bombay]: Providing feedback on test case[Nokia] : is providing additional feedback and clarifications on earlier comments | agreed? |  |