**3GPP TSG-SA WG1 Meeting #105**

**Athens, Greece, 26 Feb - 1 Mar 2024**

# tdoc list SA1#105 version End of Meeting v4

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| Order | Ag. Item | Tdoc# | Source | Title | Type | Spec | CR# | r | cat | Version in | Rel | WI | Summary | Discussion | Conclusion |
| 01 | 1.1 | [S1-240000](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233000.zip) | SA1 Chairperson | 1st Draft Agenda for SA1#104 | agenda |  |  |  |  |  |  |  |  |  | Revised to S1-240001 |
| 02 | 1.1 | S1-240001 | SA1 Chairperson | Draft Agenda for SA1#105 | agenda |  |  |  |  |  |  |  | Revision of S1-240000. |  | Revised to S1-240002 |
| 03 | 1.1 | S1-240002 | SA1 Chair | 1st Draft Agenda for SA1#105 | agenda |  |  |  |  |  |  |  | Revision of S1-240001. |  | Approved |
| 02 | 1.3 | [**S1-240004**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240004.zip) | ETSI MCC | Draft minutes of previous SA1 meeting | report |  |  |  |  |  |  |  |  |  | Revised to S1-240005 |
| 03 | 1.3 | S1-240005 | ETSI MCC | Minutes of previous SA1 meeting | report |  |  |  |  |  |  |  | Revision of S1-240004. |  | Agreed |
| 01 | 1.4 | S1-240007 | ETSI MCC | MCC info on CR Rules | other |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 1.4 | S1-240008 | ETSI MCC | MCC info on WID names | other |  |  |  |  |  |  |  |  |  | Noted |
| 03 | 1.4 | S1-240003 | ETSI MCC | Extract of the 3GPP Work Plan for SA1#105 | Work Plan |  |  |  |  |  |  |  |  |  | Noted |
| 01 | 10.1 | S1-240240 | Drafting Chairperson | Drafting group report for ISN | Report |  |  |  |  |  |  |  |  | Agreed, so everything agreed in drafting session is agreed by SA1.  Main output is in 225. | Agreed |
| 02 | 10.1 | S1-240241 | Drafting Chairperson | Drafting Report for KVIs | Report |  |  |  |  |  |  |  |  |  | Agreed |
| 01 | 2 | S1-240006 | SA1 leadership | SA1-related topics at SA#102 | report |  |  |  |  |  |  |  |  |  | Revised to S1-240175 |
| 02 | 2 | S1-240175 | SA1 Chairperson | SA1-related topics at latest SA plenary | report |  |  |  |  |  |  |  | Revision of S1-240006 | Normative work following the study clarify the point. | Noted |
| 03 | 2 | S1-240010 | SA1 Chairperson, MCC | Process for SA1 Rel-20 content planning | other |  |  |  |  |  |  |  |  | The timeline of the workshop is subject to further refinements.  Some break timelines are wrong.  MRP should be more clearly indicated in the workshop agenda. | Revised to S1-240176 |
| 04 | 2 | S1-240176 | SA1 Chairperson, MCC | Process for SA1 Rel-20 content planning | other |  |  |  |  |  |  |  | Revision of S1-240010 | Updated after conference calls. Including workshop draft schedule. Draft agenda from the workshop. | Noted |
| 05 | 2 | S1-240011 | SA1 Chair | Lessons learned from SMARTER process in 5G | other |  |  |  |  |  |  |  | 5G started with studies in Rel-14 in 2014 and continued with normative work in Rel-15. The studies started with one main study, which later triggered 4 building blocks “sub” studies.  It is proposed to have a drafting session at this SA1 meeting to investigate what worked well and not so well with this process. | These slides were presented by Mrs. Mona Mustapha, who was chaired when this process was started. Nokia has tdoc 130 on this topic (but on 6G process).  The chair asked to limit the discussion on the 5G process at this stage (and not to propose a process for 6G).  For Mediatek, the process of dividing into 4 BBs might not be needed. It was over-engineering.  For Huawei, this worked quite well.  Ericsson are more in the opinion of Mediatek. Maybe it would have been enough to simply structure the 74 use cases.  For KPN (also ex-chair), the “brainstorming” phase was quite important and useful. It helped that there was no structure at first.  The definition of KPIs might have followed in a stricter approach. No clear KPIs did not help RAN.  Siemens would be interested to know which was the first implementable 5G Release.  ATT: the basic question when introducing 5G use cases was “can this be done with 4G?”, and it was introduced only if a significant improvement over 4G was identified.  Samsung (ex SA Chair): let’s focus on KPIs, and check which 5G KPIs were still not fulfilled in Rel-18.  Tony: there were overlaps in the 4 BBs, and this should be avoided.  Futurewei: also not there at the beginning of 5G, it was clear that SA1 was not answering to the RAN’s expectations in terms of requirements.  Chair: some things have been already corrected since then, e.g. mis-synchronisation between 3GPP groups (SA1 requirements were coming too late). Also, recent SA1 studies are quite appreciated by RAN (e.g. sensing). Finally, about the comment with “what is 5G?”, a workshop would fortunately be better for 6G than the Excel document that was drafted for 5G. The Excel was maybe not a time-efficient way of working, compared to having a workshop.  Ericsson: if we go even further in time, with 4G, (all IP”), there was also a big “container” TR for brainstorming. This might be a good thing to start the work. Then a clean-up would obviously be needed. But, at least initially, there were not much “filters”, every idea could be put there.  Chair: MCC will make a PPT with these comments. No need for a draft session at this point. | Revised to S1-240178 |
| 06 | 2 | S1-240178 | SA1 Chair | Lessons learned from SMARTER process in 5G | other |  |  |  |  |  |  |  | Revision of S1-240011 |  | Revised to S1-240267 |
| 07 | 2 | S1-240267 | SA1 Chair | Lessons learned from SMARTER process in 5G | other |  |  |  |  |  |  |  | Revision of S1-240178 |  | Revised to S1-240293 |
| 08 | 2 | S1-240293 | SA1 Chair | Lessons learned from SMARTER process in 5G | other |  |  |  |  |  |  |  | Revision of S1-240267 | Chair: this exercise was done to give feedback to SA1 delegates on the 5G introduction process. There is no intention to submit this document further to SA. | Noted |
| 02 | 3 | [S1-240153](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240153.zip) | RP-234075 | LS on Robust Notification Alert for NTN-NR Rel-19 | LS in |  |  |  |  |  |  |  | RAN#102 discussed a candidate features of a robust notification/paging proposed for the Rel-19 RAN2 led NR-NTN-ph3 WI. The robust notification/paging should be addressed to a particular UE in a cell. The intent is to maximise the probability for a UE to be informed of a mobile terminated call when in very poor SNR conditions which prevent to receive a normal paging message.  This feature should:  • be triggered by the network upon e.g. paging failure (i.e. when no paging response from the UE has been received by the network), or other criteria; and  • apply only for mobile terminated calls; and  • inform the user of a mobile terminated call so the user could then try and move to a location with better coverage.  It is noted that this feature is highly desirable for satellite networks to reach users experiencing low SNR or NLOS channel conditions.  Before some standardisation activity can be started in RAN on the subject, some inputs, guidance and requirements would be needed from relevant SA WGs. | Proposed answers in S1-240017 (Oppo),  S1-240040 (Xiaomi), S1-240051 (LG Electronics), S1-240072 (HUGHES ), S1-240113 (Huawei)  Replied in 309 | Replied into S1-240309 |
| 03 | 3 | [**S1-240017**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240017.zip) | OPPO | [Draft]Reply LS on Robust Notification Alert for NTN-NR Rel-19 | LS out |  |  |  |  |  |  |  | Proposed answer: “1) It is not fully clear the scenario: “ | Mediatek: this is entirely clear in RAN’s LS.  Chair: to summarize all this discussion on Robust Satellite Notification:  , there are 3 options:  Option 1: SA1 does not do anything (LG,Huawei )  Option 2: mini WID for Rel-19, exception sheet (Xiaomi, Hughes)  Option 3: this is for Rel-20 (KPN, Samsung), with or without miniWID  Positions were confirmed in the second round, with companies thinking that this is a significant work to be done (T-Mobile, Ericsson).  Chair: if the LS is received from RAN asking for the requirements to be introduced for Rel-19, that means that they can do the RAN part in the same Release.  Hughes: everything is indeed in place in RAN. Satellite access is getting each time more important, it would be a lost opportunity not to have it in Rel-19 because of a missing SA1 requirement.  Huawei: this is complex to introduce after the Release freeze date in SA1.  Mediatek: there is no agreement in RAN at this point. The right question is: Is there a willingness to do it?  KDDI: the RAN question is to know if there is an existing requirement, not to define a new requirement.  Vodafone: this is just rhetorical, because if SA1 answers “no, there is no requirement”, then RAN will answer back “so give us the requirement”, and it will be just lost time.  Mediatek: it is not only RAN and SA1. There might be other groups involved too: SA2, SA3, etc.  Chair: drafting session to be added on Tuesday 8.00-9.00 AM. The question is “can it be in Rel-19, or does it have to go to Rel-20”? | Merged into S1-240187 |
| 04 | 3 | [**S1-240040**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240040.zip) | Xiaomi | [Draft] Reply LS on Robust Notification Alert for NTN-NR | LS out |  |  |  |  |  |  |  |  |  | Merged into S1-240188 |
| 05 | 3 | [**S1-240042**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240042.zip) | Xiaomi | New WID on 5G system with satellite access to Support Robust | WID new |  |  |  |  |  |  |  |  |  | Merged into S1-240189 |
| 06 | 3 | [**S1-240041**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240041.zip) | Xiaomi | Add requirement on robust notification/paging for Satellite Access | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0764 |  | B | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**SRNP**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=60094) | This CR introduces requirement on robust notification/paging for Satellite Access to TS 22.261.  It introduces: “A 5G system with satellite access shall support robust notification/paging to maximise the probability for a particular UE to be informed if normal paging message is not received.” | The meaning of “robust notification” is not clear to several companies. | Merged into S1-240190 |
| 07 | 3 | [**S1-240051**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240051.zip) | LG Electronics | [draft] Reply LS on Robust Notification Alert for NTN-NR Rel-19 | LS out |  |  |  |  |  |  |  | Proposed answer:  SA1 has discussed the matter during SA1#105 meeting and would like to note that there is no requirement on robust notification/paging described in RP-234075 for Rel-19 NTN.  In addition, it is worth noting that Rel-19 service requirements have been frozen and discussions for Rel-20 service requirements are underway.  SA1 respectfully asks TSG RAN and SA2 to take above information into consideration. |  | Merged into S1-240187 |
| 08 | 3 | [**S1-240072**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240072.zip) | SA1 | [DRAFT] Reply LS RP-234075 on Robust Notification Alert for NTN-NR | LS out |  |  |  |  |  |  |  |  |  | Revised to S1-240188 |
| 09 | 3 | S1-240188 | SA1 | Reply LS RP-234075 on Robust Notification Alert for NTN-NR | LS out |  |  |  |  |  |  |  | Revision of S1-240072 | Missing SA1 tdoc number, redrafted while projecting. | Revised to S1-240309 |
| 10 | 3 | S1-240309 | SA1 | Reply LS to RAN, SA2 (cc SA) on RP-234075 on Robust Notification Alert for NTN-NR | LS out |  |  |  |  |  |  |  | Revision of S1-240188 |  | Agreed |
| 11 | 3 | [**S1-240069**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240069.zip) | HUGHES Network Systems, Dish Network, Novamint, Hispasat, OmniSpace, OQ Technology, SES | Discussion on Robust Notification Alert for NTN-NR UE | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 12 | 3 | [**S1-240070**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240070.zip) | Hughes Network Systems, Dish Network, Novamint, Hispasat, Thales, | Mini WID on Robust Notification Alert for 5G system with satellite access | WID new |  |  |  |  |  |  |  |  |  | Revised to S1-240189 |
| 13 | 3 | S1-240189 | HUGHES Network Systems, Dish Network, Novamint, Hispasat, Thales, OmniSpace, OQ Technology, SES | mini-WID on Robust Notification Alert for NR-NTN | WID new |  |  |  |  |  |  |  | Revision of S1-240070 | Merged in 235. | Merged into S1-240235 |
| 14 | 3 | [**S1-240071**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240071.zip) | Hughes Network Systems, DISH Network, Novamint, Hispasat, OQ Technology, OmniSpace, SES, TTP Plc, Thales | Robust Notification Alert for 5G satellite acsess to notify UE of missed paging call(s) when normal paging fails | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0775 |  | B | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**SRNP**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960016) | This CR introduces requirement for 5G system with satellite access to be able to notify a UE in poor or out of coverage of missed paging call(s) when normal paging fails. More precisely, the following text is proposed to be added:  A 5G system with satellite access shall be able to notify a UE of missed paging call(s) when normal paging fails.  NOTE 1: Such a notification can alert the user to move the UE to another location with better coverage for connection set-up  NOTE 2: The notification can include some additional information e.g., caller-ID, type of service. | Mediatek: this CR is about missed calls, not about “strong paging”, which is what was asked by RAN.  Hughes: this is about missed paging, not missed calls.  Nokia: this (note 2 in particular) imply impacts on the payload.  Samsung: why questions on paging are asked in SA1?  Ercisson: why the “(s)” in “Call(s)”?  KPN: this is too late for Rel-19.  Chair: there is an exception sheet coming with it, it will be up to SA to decide. | Revised to S1-240190 |
| 15 | 3 | S1-240190 | HUGHES Network Systems, Dish Network, Novamint, Hispasat, OmniSpace, OQ Technology, SES | Robust UE notification of missed incoming call(s) when normal paging fails for 5G satellite access. | CR | 22.261 | 0775 | 1 | B | 19.5.0 | Rel-19 | FS\_5GSAT\_Ph3 | Revision of S1-240071 |  | Noted |
| 16 | 3 | [**S1-240132**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240132.zip) | Hughes Network Systems, Novamint, OmniSpace, Hispasat, TTP Plc | Robust Notification Paging Alert for 5G satellite access | WI exception request |  |  |  |  |  |  |  |  | Exception sheet | Noted |
| 17 | 3 | [**S1-240113**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240113.zip) | Huawei | Reply LS on Robust Notification Alert for NTN-NR | LS out |  |  |  |  |  |  |  | Proposed SA1 Answer: SA1 does not have any requirements relating to the Robust Notification Alert for NTN-NR. SA has frozen the stage 1 of Release 19 and therefore any service requirements on this topic will be beyond Release 19. | Overall discussion:  Chair: all companies agree that there is no requirement at this stage. The question is whether to add them (as proposed by Hughes and friends) or not?  Samsung: there is already a mechanism for “robustness” with “normal paging”.  Chair: other discussion is if we need a CR.  KPN: and for which Release (Rel-19 or Rel-20)?  Mediatek: this is quite interesting but maybe it is too late for Rel-19.  Several companies (T-Mobile, Vodafone, etc): this can be interesting but it seems too late for Rel-19, it is not so simple.  Hughes: there is a lot of companies supporting this in RAN. Only the corresponding requirement is missing, which might be simple. Most of the work is to be done in RAN. | Revised to S1-240187 |
| 18 | 3 | S1-240187 | Huawei | Reply LS on Robust Notification Alert for NTN-NR | LS out |  |  |  |  |  |  |  | Revision of S1-240113 | Merged in 188 into 309 | Merged into S1-240309 |
| 20 | 3 | [S1-240165](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240165.zip) | S5-240807 | LS on energy states in TS 22.261 | LS in |  |  |  |  |  |  |  | SA5 has been working on energy saving related states for several releases (see energy saving definitions and concepts in TS 28.310 clauses 3.1 and 4.3) and has defined one energy saving related state attribute named energySavingState (see TS 28.541 clause 4.4.1), with two allowed values:  • isEnergySaving (state in which some functions of a cell or network function are powered-down),  • isNotEnergySaving (state when no energy saving in progress).  Therefore, SA5 would like to know whether the SA5-defined energySavingState attribute satisfies TS 22.261 clause 6.15a.3 requirements. | Proposed answers in S1-240050 and S1-240098. | Replied in S1-240299 |
| 21 | 3 | [**S1-240050**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240050.zip) | LG Electronics | [draft] Reply LS on energy states in TS 22.261 | LS out |  |  |  |  |  |  |  | Proposed answer to 0165 to state that:  - Energy saving states defined in TS 28.310 can be one of examples for energy state defined in TS 22.261. In this case, energySavingState attribute (with two allowed values, i.e., isEnergySaving/ isNotEnergySaving) described in TS 28.541 can satisfy requirements specified in clause 6.15a.3 of TS 22.261.  [Extract from TS 22.261] energy state: state of a cell, a network element and/or a network function with respect to energy, e.g. (not) energy saving states, which are defined in TS 28.310 [47].  - As described in clause 6.2 of TR 22.882 (Consolidated Requirements), the new type of energy states can be defined and used as another example. It may vary depending on solution, and it is up to SA5.  [Extract from TR 22.882] NOTE 2: These requirements assume it is possible that there is new energy states of network elements and network functions. | See other proposed answer in S1-240098. | Revised to S1-240182 |
| 22 | 3 | S1-240182 | LG Electronics | [draft] Reply LS on energy states in TS 22.261 | LS out |  |  |  |  |  |  |  | Revision of S1-240050 | The reference to the CR shall be removed if the CR in 184 is not agreed. | Revised to S1-240269 |
| 23 | 3 | S1-240269 | LG Electronics | [draft] Reply LS to SA5 (cc SA, SA2) on energy states in TS 22.261 | LS out |  |  |  |  |  |  |  | Revision of S1-240182 |  | Revised to S1-240299 |
| 24 | 3 | S1-240299 | SA1 | Reply LS to SA5 (cc SA, SA2) on energy states in TS 22.261 | LS out |  |  |  |  |  |  |  | Revision of S1-240269 | Removed the draft word. | Agreed |
| 25 | 3 | [**S1-240098**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240098.zip) | Nokia, Nokia Shanghai Bell | [DRAFT] Reply LS on energy states in TS 22.261 | LS out |  |  |  |  |  |  |  | It is proposed to answer:  The definition of “energy state” introduced in TS 22.261 references the states defined in TS 28.310 (“energySaving” / “notEnergySaving”). However, such energy states are only provided as examples and SA1 intention was not to preclude other energy states to be defined by any other WG to allow generic and future-proof flexibility in the overall system and its usage in order to optimize the use of energy as service criteria.  For this reason, SA1 acknowledges the potential ambiguity of interpretation and thus updated the definition of energy state in TS 22.261 during SA1 #105 meeting as:  "one of several possible states of a cell, a network element and/or a network function with respect to energy (e.g. energySaving / notEnergySaving states defined in TS 28.310 [47], and other possible states, which can be entered or exited depending on energy-related conditions)."  Furthermore, the support of dynamic changes of energy states mentioned in TS 22.261 clause 6.15a.3 requirements is broad and not specifically bound to OAM. How dynamic changes of energy states are supported is up to stage 2 WGs. | See related CR in 099.  Quite similar to the other proposal, they can be merged.  In favour in sending: 8 companies.  Against: 3 | Merged into S1-240182 |
| 26 | 3 | [**S1-240099**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240099.zip) | Nokia, Nokia Shanghai Bell | CR on energy-related definitions | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0777 |  | F | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020060) | The CR updates the following definitions  - Energy charging rate  - Energy credit  - Energy state |  | Revised to S1-240184 |
| 27 | 3 | S1-240184 | Nokia, Nokia Shanghai Bell, LG Electronics, Deutsche Telekom | CR on energy-related definitions | CR | 22.261 | 0777 | 1 | F | 19.5.0 | Rel-19 | EnergyServ | Revision of S1-240099 | Keep only the part on Energy Est.  Still some disagreement from Qualcomm and Huawei.  KPN: at least some rewording is needed | Revised to S1-240296 |
| 28 | 3 | S1-240296 | Nokia, Nokia Shanghai Bell, LG Electronics, Deutsche Telekom | CR on energy-related definitions | CR | 22.261 | 0777 | 2 | F | 19.5.0 | Rel-19 | EnergyServ | Revision of S1-240184 | Huawei: it is not an essential correction. On the contrary, it removes clarity by removing example.  KPN: references should not be put to later Stages. SA1 should not in the future put references to Stages 2 or 3 specifications.  Nokia: it was a mistake to have introduced [47].  Qualcomm: do not see the need for this CR. | Noted |
| 29 | 3 | S1-240183 | Huawei | [draft] Reply LS on energy states in TS 22.261 | LS out |  |  |  |  |  |  |  | Related to S1-240182 | “competing” answer with 182.  Huawei: if we remove the first bullet from 182, then this is fine for Huawei.  Qualcomm: same opinion. | Merged into S1-240269 |
| 30 | 3 | S1-240270 | Huawei | [draft] Reply LS on energy states in TS 22.261 | LS out |  |  |  |  |  |  |  | Revision of S1-240183 | Merged in 0269 | Withdrawn |
| 32 | 3 | [S1-240154](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240154.zip) | S2-2311881 | LS to clarify PS Data Off exemption for services over IMS DC | LS in |  |  |  |  |  |  |  | SA2 asks SA1 to clarify how the term “Services” in “Services over IMS Data Channel” needs to be interpreted, and whether applications using IMS Data Channel should be configurable separately for PS data off exempt or all applications over IMS Data Channel should be treated in the same way. | See CR in 079. | Replied in S1-240301 |
| 33 | 3 | [**S1-240078**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240078.zip) | China Mobile, Huawei | Reply LS to clarify PS Data Off exemption for services over IMS DC | LS out |  |  |  |  |  |  |  | Proposed answer to 154.  SA1 thanks SA2 for the request to clarify PS Data Off exemption for services over IMS DC.  In the related SA1 discussion, companies expressed different views on how this feature would be used. Depending on business models and network deployment, some might require applications using IMS Data Channel be configurable separately for PS data off exempt while some might need all applications over IMS Data Channel be treated in the same way.  The requirement (of supporting PS data off exempt for services over IMS Data Channel) is therefore clarified in the agreed CR to allow flexibility for operators, according to business models and/or network deployment, to configure the intended services over IMS data channel as part of the 3GPP PS Data Off Exempt Services. | Samsung: IMS Data Channel is a service. This is not clearly reflected in the proposed answer.  Feedback from SA2: a CR is necessary but not at the application level.  Chair: so we need another version of the CR.  KPN: Adding a new functionality is for Rel-20.  Chair: drafting session needed on this topic. | Revised to S1-240180 |
| 34 | 3 | S1-240180 | China Mobile, Huawei | Reply LS to clarify PS Data Off exemption for services over IMS DC | LS out |  |  |  |  |  |  |  | Revision of S1-240078 |  | Revised to S1-240294 |
| 35 | 3 | S1-240294 | China Mobile, Huawei | Reply LS to SA2 to clarify PS Data Off exemption for services over IMS DC | LS out |  |  |  |  |  |  |  | Revision of S1-240180 | Typo on Jeju. Wrong file name. | Revised to S1-240301 |
| 36 | 3 | S1-240301 | SA1 | Reply LS to SA2 to clarify PS Data Off exemption for services over IMS DC | LS out |  |  |  |  |  |  |  | Revision of S1-240294 | Right file name and typo correction in Jeju | Agreed |
| 37 | 3 | [**S1-240079**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240079.zip) | China Mobile, Huawei | Clarification on the PS Data Off exemption for services over Data Channel | CR | [**22.011**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0359 |  | F | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**IMSDCDataOff**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990049) | The CR updates the PS Data Off Exempt Services bullets to clarify that “All, or one or multiple individual applications using IMS Data Channel” can be exempted. | See the proposed answer LS | Revised to S1-240181 |
| 38 | 3 | S1-240181 | China Mobile, Huawei | Clarification on the PS Data Off exemption for services over Data Channel | CR | 22.011 | 0359 | 1 | F | 19.2.0 | Rel-19 | IMSDCDataOff | Revision of S1-240079 | This results from a drafting session.  Clean-up needed (wrong styles). Cover page to be checked (check “ME” affected).  Last round of rewording needed. | Revised to S1-240268 |
| 39 | 3 | S1-240268 | China Mobile, Huawei | Clarification on the PS Data Off exemption for services over Data Channel | CR | 22.011 | 0359 | 2 | F | 19.2.0 | Rel-19 | IMSDCDataOff | Revision of S1-240181 | Should have been rev2. | Revised to S1-240300 |
| 40 | 3 | S1-240300 | China Mobile, Huawei | Clarification on the PS Data Off exemption for services over Data Channel | CR | 22.011 | 0359 | 3 | F | 19.2.0 | Rel-19 | IMSDCDataOff | Revision of S1-240268 | F Rev 3, update the date. Remove the history. | Agreed |
| 42 | 3 | [S1-240169](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240169.zip) | SG13-LS108 | LS on initiation of a new Technical Report ITU-T TR.ISAC-fra ""Considerations of integrated sensing and communication in IMT-2020 networks and beyond"" | LS in |  |  |  |  |  |  |  | ITU is informing 3GPP that they have started work and seek cooperation with 3GPP on TR.ISAC-fra “Considerations of integrated sensing and communication in IMT-2020 networks and beyond” | Proposed answer in 110. | Noted |
| 43 | 3 | [**S1-240110**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240110.zip) | Deutsche Telekom AG | LS reply on new ITU-T TR ISAC-fra | LS out |  |  |  |  |  |  |  | Proposed answer to 169. | Apple: not needed. ITU was not asking for answer.  Mediatek: let’s wait for plenary to coordinate the answer on sensing.  Telefonica: this LS still contains useful information and it would valuable to send it, since it is anyway ready.  In favour of Sending the LS: 6  Not in favor: “2.5” (Mediatek, Apple, half Qualcom)  Revision number to be given. | Revised to S1-240179 |
| 44 | 3 | S1-240179 | Deutsche Telekom AG | LS reply on new ITU-T TR ISAC-fra | LS out |  |  |  |  |  |  |  | Revision of S1-240110 | DT: No agreement yet, it is instead proposed to have it sent to SA for SA’s review and fortunately sending it out to ITU.  Support to send to ITU: 3 companies  Objecting to send (even to SA): 2 companies | Noted |
| 46 | 3 | [S1-240150](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240150.zip) | 5GMRR Doc 47\_14r1 LS to 3GPP on data plane control by roaming hubs | LS to 3GPP on data plane control by roaming hubs | LS in |  |  |  |  |  |  |  | GSMA requests SA1 and SA2 to review these requirements data plane control by roaming hubs and define solutions. GSMA 5GMRR welcomes an initial response and ongoing collaboration. |  | Noted |
| 48 | 3 | [S1-240166](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240166.zip) | S5-240816 | LS on new definitions of energy efficiency and energy consumption | LS in |  |  |  |  |  |  |  | There might be different understanding of “Energy Efficiency and “Energy Consumption (EC)” between SA5 and SA1. | MCC: All groups should really enforce to have the same understanding for the same words, there cannot be one understanding in SA5.  The concepts of “Energy Efficiency and “Energy Consumption (EC)” have to be clarified in TR 21.905. A CR to 21.905 can be prepared by SA1 to SA.  Qualcomm propose that this is to be done by the concerned companies in SA. | Noted |
| 50 | 3 | [S1-240168](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240168.zip) | SG13-LS107 | LS on consent of draft new Recommendation ITU-T Y.3400 (ex Y.IMT2020-CNC-req) ""Coordination of networking and computing in IMT-2020 networks and beyond - Requirements"" | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 51 | 3 | [S1-240170](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240170.zip) | SG13-LS115 | LS on the consent of draft new Recommendation ITU-T Y.3128 (ex Y.IMT2020-NFC-req) ""Requirements for network function communication between Public Networks and public network integrated Non-Public Networks in IMT-2020"" | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 52 | 3 | [S1-240171](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240171.zip) | SG13-LS124 | LS on initiation of draft new Recommendation ITU-T Y.U2USM-req-fra ""Future networks including IMT-2020: Requirements and framework for the support of UE-to-UE session management"" | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 53 | 3 | [S1-240172](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240172.zip) | sp17-fg-mv-oLS-00020 | LS on request to provide the standardization status for metaverse cross-platform interoperability | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 54 | 3 | [S1-240173](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240173.zip) | sp17-fg-mv-oLS-00030 | LS on the approval of the Technical Specification ITU FGMV-19 on ""Service scenarios and high-level requirements for metaverse cross-platform interoperability"" | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 55 | 3 | [S1-240174](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240174.zip) | sp17-fg-mv-oLS-00034 | LS on Results of the fourth meeting of the FG-MV | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 56 | 3 | [S1-240151](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240151.zip) | C1-239502 | LS on service authorization for/to partner MC system | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 57 | 3 | [S1-240152](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240152.zip) | R3-237964 | Reply LS on the user consent for trace reporting | LS in |  |  |  |  |  |  |  |  | Replied in 301 | Noted |
| 58 | 3 | [S1-240157](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240157.zip) | S2-2401578 | Reply LS on the user consent for trace reporting | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 59 | 3 | [S1-240155](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240155.zip) | S2-2313605 | Reply LS on charging aspects of AI/ML traffic | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 60 | 3 | [S1-240164](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240164.zip) | S5-240695 | Reply LS on charging aspects of AI/ML traffic | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 61 | 3 | [S1-240156](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240156.zip) | S2-2313776 | LS on Ranging/SL Positioning service exposure security and privacy check | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 62 | 3 | [S1-240158](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240158.zip) | S2-2401650 | Response to “Reply LS on the service requirement of restricting satellite access RAT type” | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 63 | 3 | [S1-240159](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240159.zip) | S2-2401813 | LS on No-Transmit Zones according to ECC decision 22(07) | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 64 | 3 | [S1-240160](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240160.zip) | S4-232055 | LS on Support of interworking between SA4 RTC and IMS | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 65 | 3 | [S1-240161](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240161.zip) | S4-240517 | Reply to LS on 3GPP work on energy efficiency | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 66 | 3 | [S1-240162](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240162.zip) | S5-238106 | LS on network energy related information exposure | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 67 | 3 | [S1-240163](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240163.zip) | S5-238107 | LS on the progress update of AI/ML Management specifications in SA5 | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 68 | 3 | [S1-240167](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240167.zip) | S5-241084 | Reply LS on the user consent for trace reporting | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 01 | 4 | [**S1-240014**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240014.zip) | CATT | Correction of AI/ML KPI requirements for direct network connection | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0761 |  | F | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**AIML\_MT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920037) | This CR introduces the correction of UL latency and data rate to 15ms and 144Mbit/s for Table 7.10-1 Image recognition. | “AIML\_MT” is Rel-18, it has to be corrected to TEI19, AIML\_MT. | Revised to S1-240191 |
| 02 | 4 | S1-240191 | CATT | Correction of AI/ML KPI requirements for direct network connection | CR | 22.261 | 0761 | 1 | F | 19.5.0 | Rel-19 | TEI19, AIML\_MT | Revision of S1-240014 | Check cover page. | Agreed |
| 03 | 4 | [**S1-240131**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240131.zip) | Siemens, Robert Bosch GmbH, Mitsubishi Electric | Support for Multiple Spanning Tree Protocol | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0781 |  | C | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | cyberCAV, TEI19 | The CR adds MSTP to corresponding requirement on Ethernet transport services. | Rel-17, Rel-18 and earlier contributions  Discussion paper in S1-240272 | Agreed |
| 04 | 4 | S1-240272 | Siemens | Discussion Paper on Multiple Spanning Tree Protocol | pCR |  |  |  |  |  |  |  | Supporting discussion paper for S1-240131 | Huawei: No disagreement on this analysis but the SA2 involvement in Rel-19 have to be considered.  Siemens: what does it mean concretely for 131?  Huawei: it shall be at least postponed to next meeting. | Noted |
| 01 | 5.1 | S1-240009 | SA1 Chairperson, MCC | Cleaning Rel-18 Stage 1 | other |  |  |  |  |  |  |  |  | Samsung: be careful when withdrawing a TS | Revised to S1-240192 |
| 02 | 5.1 | S1-240192 | SA1 Chairperson, MCC | Cleaning Rel-18 Stage 1 | other |  |  |  |  |  |  |  | Revision of S1-240009 | This is endorsed as the way forward. It is intended to be a permanent reference document, i.e. even for future Releases. | Endorsed |
| 03 | 5.1 | [**S1-240094**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240094.zip) | Huawei | Discussion on Rel-18 service requirements clean-up in TS 22.261 | discussion |  |  |  |  |  |  |  | This document discusses how to clean up the Rel-18 service requirements captured in TS 22.261 “Service requirements for the 5G system” following SA1 Chair/MCC guidance, and proposes a way forward. |  | Noted |
| 04 | 5.1 | [**S1-240096**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240096.zip) | Huawei | Discussion on Rel-18 service requirements clean-up in TS 22.104 | discussion |  |  |  |  |  |  |  | This document discusses how to clean up the Rel-18 service requirements captured in TS 22.104 following SA1 Chair/MCC guidance, and proposes a way forward. | Equivalent to 94 but for 22.104. | Noted |
| 05 | 5.1 | [**S1-240097**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240097.zip) | Huawei | Discussion on Rel-18 service requirements clean-up in TS 22.101 | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 06 | 5.1 | [**S1-240012**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240012.zip) | Deutsche Telekom AG | Removal of non-implemented UIA requirements | CR | [**22.101**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=605) | 0592 |  | F | 18.5.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**UIA**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=800012) | This CR removes the Non-implemented requirements for UIA in Rel-18. | 22.101 Rel-19 to be created before this CR is implemented. This should be stated on the cover page.  Tick boxes to be corrected. | Revised to S1-240193 |
| 07 | 5.1 | S1-240193 | Deutsche Telekom AG | Removal of UIA charging requirements | CR | 22.115 | 0108 | 1 | F | 18.0.0 | Rel-18 | UIA | Revision of S1-240012 | Introduce on cover page that Rel19 TS22.101 needs to be created before this CR is implemented. X on other specs. | Agreed |
| 08 | 5.1 | [**S1-240013**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240013.zip) | Deutsche Telekom AG | Removal of UIA charging requirements | CR | [**22.115**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=608) | 0108 |  | F | 18.0.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**UIA**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=800012) | This CR removes the non-implemented Charging requirements for UIA. | 22.101 Rel-19 to be created before this CR is implemented. This should be stated on the cover page.  Tick boxes to be corrected. | Revised to S1-240194 |
| 09 | 5.1 | S1-240194 | Deutsche Telekom AG | Removal of UIA charging requirements | CR | 22.115 | 0108 | 2 | F | 18.0.0 | Rel-18 | UIA | Revision of S1-240013 | Introduce on cover page that Rel19 TS22.101 needs to be created before this CR is implemented. X on other specs. | Agreed |
| 10 | 5.1 | [**S1-240049**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240049.zip) | LG Electronics | Removal of non-implemented EASNS requirements | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0766 |  | F | 18.12.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**EASNS**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910038) | Non-implemented requirements for EASNS are removed. |  | Agreed |
| 11 | 5.1 | [**S1-240058**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240058.zip) | Samsung, China Telecom | Rel-18 Alignment of Stage 1 with results for SEI | discussion |  |  |  |  |  |  |  | This discussion document assess the alignment work needed for the Rel-18 Smart Energy Infrastructure (SEI) feature. | About tracking: Chair: it is of course good to track, but a realistic balance has to be used. | Noted |
| 12 | 5.1 | [**S1-240059**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240059.zip) | Samsung, China Telecom | Alignment for Smart Energy Infrastructure | CR | [**22.104**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0098 |  | F | 18.3.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**SEI**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920039) | Some requirements added to TS 22.104 were not supported in Release 18 stage 2 and stage 3 standardization. To align all 3GPP specifications, these unfulfilled requirements are removed from the Release 18 version of the specification. Other requirements have been satisfied in Release 18, mainly in TS 28.318. | This is confirmed to be correct by Huawei, Nokia needs more time.  Nokia: some parts are already implemented in Stage 2 and then should not be removed. Asked to be postponed | Noted |
| 13 | 5.1 | [**S1-240060**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240060.zip) | Samsung, China Telecom | Alignment for Smart Energy Infrastructure | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0771 |  | F | 18.12.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**SEI**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920039) | Same as previous for 22.261. | Asked by Nokia to be postponed to next meeting. | Noted |
| 14 | 5.1 | [**S1-240088**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240088.zip) | Qualcomm Korea | Clean-up of Rel-18 PALS Requirements | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 15 | 5.1 | [**S1-240145**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240145.zip) | Qualcomm | CR for Clean-up of Rel-18 PALS Requirements | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0782 |  | F | 18.12.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**PALS**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920031) |  |  | Revised to S1-240271 |
| 16 | 5.1 | S1-240271 | Qualcomm | CR for Clean-up of Rel-18 PALS Requirements | CR | 22.261 | 0782 | 1 | F | 18.12.0 | Rel-18 | PALS | Revision of S1-240145 | Proposed to be noted by the author. | Noted |
| 17 | 5.1 | [**S1-240108**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240108.zip) | Huawei | Alignment of TS 22.125 Uncrewed Aerial System (UAS) support in 3GPP | discussion |  |  |  |  |  |  |  | As part of the ongoing maintenance of 3GPP stage 1 specifications, this document proposes alignment between the Release 18 UAS requirements in TS 22.125 with what has been achieved in downstream groups. | Qualcomm: the KPIs have not been decided yet, so these CRs are premature. | Revised to S1-240195 |
| 18 | 5.1 | S1-240195 | Huawei | Alignment of TS 22.125 Uncrewed Aerial System (UAS) support in 3GPP | discussion |  |  |  |  |  |  |  | Revision of S1-240108 |  | Revised to S1-240275 |
| 19 | 5.1 | S1-240275 | Huawei | Alignment of TS 22.125 Uncrewed Aerial System (UAS) support in 3GPP | discussion |  |  |  |  |  |  |  | Revision of S1-240195 | Chair: the possibility to keep this type of analysis is to be explored (this is valid also for 094, 96 and 97), either as an annex to the TS or as a stand-alone document, or any other possibility. | Noted |
| 20 | 5.1 | S1-240274 | Huawei | Alignment of TS 22.125 Uncrewed Aerial System (UAS) support in 3GPP with progress in other 3GPP WGs | CR | 22.125 | 0053 |  | F | 17.6.0 | Rel-17 | EAV, ID\_UAS |  | Typo in cover: Release 18 to be replaced by Release 17. | Revised to S1-240302 |
| 21 | 5.1 | S1-240302 | Huawei | Alignment of TS 22.125 Uncrewed Aerial System (UAS) support in 3GPP with progress in other 3GPP WGs | CR | 22.125 | 0053 | 1 | F | 17.6.0 | Rel-17 | EAV, ID\_UAS | Revision of S1-240274 | Rel 17 in cover page. Update rev and date. No presentation | Agreed |
| 22 | 5.1 | [**S1-240109**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240109.zip) | Huawei | Alignment of TS 22.125 Uncrewed Aerial System (UAS) support in 3GPP with progress in other 3GPP WGs | CR | [**22.125**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3545) | 0051 |  | F | 18.0.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | Requirements which have not been met in other 3GPP WGs in Release 18 have been removed. Requirements which have been partially met in other 3GPP WGs have had notes added. | KPN: not clear which requirements are not met in Rel-18 and which ones are definitely removed, for all subsequent Releases  Huawei: it is impossible to guess what e.g. SA2 will do or not in Rel-19, so KPN’s point cannot be answered  Chair: this should have been started with Rel-17, but could not been much progressed because of Covid. Now it is time to do it seriously. Lack of alignment of SA1 is often mentioned in TSG .  This should be done already in Rel-17.  Chair,MCC: this analysis of the “follow-up” of the requirements, i.e. if/where each requirement has been implemented in Stage 2, is very valuable and it is a pity to lose it. It has to be considered if this can be added as an annex of each TS (or any other permanent document). | Revised to S1-240273 |
| 23 | 5.1 | S1-240273 | Huawei | Alignment of TS 22.125 Uncrewed Aerial System (UAS) support in 3GPP with progress in other 3GPP WGs | CR | 22.125 | 0051 | 1 | A | 18.0.0 | Rel-18 | EAV, ID\_UAS | Revision of S1-240109 | Use corresponding WI Code | Agreed |
| 24 | 5.1 | [**S1-240141**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240141.zip) | Qualcomm | Discussion on Rel-18 VMR requirements clean-up | other |  |  |  |  |  |  |  | Based on the analysis of Rel-18 stage-2/3 affected specifications (see [1]-[15]), Dec ’23 version), this contribution provides a proposal to remove or update SA1 VMR requirements captured in TS 22.261 if/where considered not aligned, or specifically addressed, in stage-2/3. | Qualcomm will try to align to the style of what was done in 109 for next meeting. | Noted |
| 25 | 5.1 | [**S1-240118**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240118.zip) | Samsung | Discussion of Aligning Performance Requirements | discussion |  |  |  |  |  |  |  | Discusses the problem of determining whether performance requirements have been satisfied by the normative output of a given release.  It proposes two basic types of behaviours:  EAGER ALIGNMENT - remove all added performance requirements by default. To retain any of them, justification must be presented why.  LAZY ALIGNMENT - leave all added performance requirements by default. To remove any of them, justification must be presented why. | MCC: Huawei (94) and Samsung (118) are too theoretical and taken the problem to exhaustively. What was meant by SA1 leadership is the “lazy approach”: whenever Features are known not to have met the Release and/or for other known problem, then actions should be taken in SA1. It was not asked to spend days of SA1 time to review in details every single CR.  Qualcomm support this approach. | Noted |
| 01 | 5.2 | [**S1-240062**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240062.zip) | Honor | Clarification of 5G LAN-type service to enable UE-Satellite-UE communication with 5G satellite access | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0773 |  | F | 18.12.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**5GSAT\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000024) | A requirement is added to support the 5G LAN-type service for UE-Satellite-UE communication in a 5G system with satellite access. | Only first change is not controversial and should be kept. | Revised to S1-240196 |
| 02 | 5.2 | S1-240196 | Honor, CATT | Clarification of 5G LAN-type service in 5G system with satellite backhaul | CR | 22.261 | 0773 | 1 | F | 18.12.0 | Rel-18 | TEI18, 5GSATB | Revision of S1-240062 | Use corresponding WI Code  Qualcomm: ask to keep open until next meeting, as to check with Stage 2 status in the meantime.  Honor: this is just to align with Stage 2.  Huawei: this is quite frustrating to use the “give us time to check” argument too often. | Noted |
| 03 | 5.2 | [**S1-240061**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240061.zip) | Honor | Clarification of 5G LAN-type service to enable UE-Satellite-UE communication with 5G satellite access | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0772 |  | F | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**5GSAT\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000024) |  | Mirror of 62 | Revised to S1-240217 |
| 04 | 5.2 | S1-240217 | Honor,CATT | Clarification of 5G LAN-type service in 5G system with satellite backhaul | CR | 22.261 | 0772 | 1 | F | 19.5.0 | Rel-19 | TEI19, 5GSATB | Revision of S1-240061 | This should be the mirror.  Also Qualcomm needs time to check. | Noted |
| 05 | 5.2 | [**S1-240056**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240056.zip) | Honor | Clarification of 5G LAN-type service to enable UE-Satellite-UE communication with 5G satellite access | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0769 |  | F | 18.12.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**5GSAT\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000024) |  | Kept open (Qualcomm) | Withdrawn |
| 01 | 5.3 | [**S1-240128**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240128.zip) | MediaTek Inc. | Access to PLMN during disaster condition | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0780 |  | F | 17.12.0 | [**Rel-17**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**MINT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850036) | Following requirement is added: “The 3GPP system shall be able to provide means to enable a UE to access a PLMN that is available only via tracking area that is in a list of forbidden tracking areas if a Disaster condition applies and no other PLMN is available.” | Qualcomm, Apple, Samsung: have concerns with this CR. This requirement is not needed: MINT is a best-effort.  Not correct category. | Noted |
| 02 | 5.3 | [**S1-240126**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240126.zip) | MediaTek Inc., Rakuten Mobile | Access to PLMN during disaster condition | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0779 |  | A | 18.12.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**MINT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850036) |  |  | Noted |
| 03 | 5.3 | [**S1-240123**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240123.zip) | MediaTek Inc., Rakuten Mobile | Access to PLMN during disaster condition | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0778 |  | A | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**MINT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850036) |  |  | Noted |
| 02 | 6.1 | [**S1-240129**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240129.zip) | Novamint | Pseudo-CR on update for scope and overview section for 22.848 | pCR | **22.848** |  |  |  | 0.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_ISN**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990053) |  |  | Agreed |
| 03 | 6.1 | [**S1-240084**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240084.zip) | Novamint, b-com, EDF | Pseudo-CR on consolidated requirements for TR 22.848 | pCR | [**22.848version0.3.0**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_ISN**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990053) | This document proposes to address the editor's note in section 6.1 of TR 22.848 V0.3.0 by adding a set of general consolidated requirements for Interconnect of SNPNs. |  | Revised to S1-240225 |
| 04 | 6.1 | S1-240225 | Novamint, b-com, EDF | Pseudo-CR on consolidated requirements for TR 22.848 | pCR | 22.848 |  |  |  | 0.3.0 |  |  | Revision of S1-240084. | Includes all the material agreed in the drafting session.  More changes edited on-line. | Revised to S1-240281 |
| 05 | 6.1 | S1-240281 | Novamint, b-com, EDF | Pseudo-CR on consolidated requirements for TR 22.848 | pCR | 22.848 |  |  |  | 0.3.0 |  |  | Revision of S1-240225 | Delete req #3 and #6. Renumber all requirements correctly. | Agreed |
| 06 | 6.1 | [**S1-240085**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240085.zip) | Novamint, Intel, Cisco | Pseudo-CR on conclusions for TR 22.848 | pCR | [**22.848version0.3.0**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_ISN**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990053) | A conclusion is proposed for the FS\_ISM TR 22.848. |  | Revised to S1-240226 |
| 07 | 6.1 | S1-240226 | Novamint, Intel, Cisco Systems | Pseudo-CR on conclusions for TR 22.848 | pCR | 22.848 |  |  |  | 0.3.0 |  |  | Revision of S1-240085. |  | Agreed |
| 08 | 6.1 | S1-240283 | Rapporteur (Novamint) | Cover sheet of the TR 22.848 for approval | TS or TR cover |  |  |  |  |  |  |  |  |  | Revised to S1-240303 |
| 09 | 6.1 | S1-240314 | Rapporteur (Novamint) | TR 22.848 for approval | TR draft |  |  |  |  | 0.4.0 |  | FS\_ISN | To be submitted after the meeting, as to include all the agreed material of this meeting. | To be sent by Tuesday March 5th.  Comments expected by Thursday March 7th.  Final version to be sent on Friday March 8th. | Agreed. |
| 09 | 6.1 | S1-240303 | Rapporteur (Novamint) | Cover sheet of the TR 22.848 for approval | TS or TR cover |  |  |  |  |  |  |  | Revision of S1-240283 | TR 22.848 v.0.4.0 -> TR 22.848 v1.0.0 No presentation | Agreed |
| 10 | 6.1 | [**S1-240086**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240086.zip) | Novamint, Intel, Cisco Systems, EDF, b-com | New WID on Interconnect of SNPN (ISN) | WID new |  |  |  |  |  |  |  | This results from FS\_ISN.  The objectives of this study are:  - To specify service requirements for groups of interconnected SNPNs  - To specify service requirements for scalable SNPN interconnect with dynamic connections. |  | Revised to S1-240227 |
| 11 | 6.1 | S1-240227 | Novamint, Intel, Cisco Systems, EDF, b-com | New WID on Interconnect of SNPN (ISN) | WID new |  |  |  |  |  |  |  | Revision of S1-240086. | Intel: the terminology with “hot spot” should be used. | Revised to S1-240285 |
| 12 | 6.1 | S1-240285 | Novamint, Intel, Cisco Systems, EDF, b-com | New WID on Interconnect of SNPN (ISN) | WID new |  |  |  |  |  |  |  | Revision of S1-240227 | Some typos. | Revised to S1-240304 |
| 13 | 6.1 | S1-240304 | Novamint, Intel, Cisco Systems, EDF, b-com | New WID on Interconnect of SNPN (ISN) | WID new |  |  |  |  |  |  |  | Revision of S1-240285 | The objectives are: Clause 8 empty. | Agreed |
| 14 | 6.1 | [**S1-240087**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240087.zip) | Novamint, Intel, Cisco Systems, EDF | Add requirements for Interconnect of SNPN in 22.261 | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0776 |  | B | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | DUMMY | Based on the TR 22.848 conclusions related to groups of interconnected SNPNs and Scalable SNPN Interconnect with dynamic connections, this CR introduces related services requirements. | Correct WI Code | Revised to S1-240228 |
| 15 | 6.1 | S1-240228 | Novamint, Intel, Cisco Systems, EDF | Add requirements for Interconnect of SNPN in 22.261 | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0776 | 1 | B | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | DUMMY | Revision of S1-240087. | Correct WI Code, changes on changes on cover page. | Revised to S1-240284 |
| 16 | 6.1 | S1-240284 | Novamint, Intel, Cisco Systems, EDF | Add requirements for Interconnect of SNPN in 22.261 | CR | 22.261 | 0776 | 2 | B | 19.5.0 | Rel-19 | ISN | Revision of S1-240228 | Correct WI Code Change WI Code and no changes in cover page. | Agreed |
| 17 | 6.1 | [**S1-240140**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240140.zip) | Novamint (Rapporteur) | Rel-19 Work Item Exception for ISN | WI exception request |  |  |  |  |  |  |  |  |  | Revised to S1-240229 |
| 18 | 6.1 | S1-240229 | Novamint (Rapporteur) | Rel-19 Work Item Exception for ISN | WIE |  |  |  |  |  |  |  | Revision of S1-240140. | miniWID->WID  Contentious iisues: “none”  Apple: “abstract of document” is not “reason why it is late”, so it should be redrafted.  SID->WID | Revised to S1-240305 |
| 19 | 6.1 | S1-240305 | Novamint (Rapporteur) | Rel-19 Work Item Exception for ISN | WIE |  |  |  |  |  |  |  | Revision of S1-240229 | MCC: the form for exception is odd: the main section should be “why is the Feature late?” rather than a summary of the Feature. This can be considered for change by MCC> | Agreed |
| 01 | 6.2 | [**S1-240018**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240018.zip) | OPPO | TS.22.261\_Updating of functional requirements | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0762 |  | F | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**Ambient-IoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020030) | Typos corrected | Wrong WID code | Revised to S1-240197 |
| 02 | 6.2 | S1-240197 | OPPO | TS.22.261\_Updating of functional requirements | CR | 22.261 | 0762 | 1 | F | 19.5.0 | Rel-19 | AmbientIoT | Revision of S1-240018 | Correct WI Code WICode is AmbientIoT. Update rev, and the date. | Agreed |
| 03 | 6.2 | [**S1-240019**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240019.zip) | OPPO | TS.22.369\_adding the abbreviation | CR | [**22.369**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4232) | 0001 |  | F | 19.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**Ambient-IoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020030) | Typos corrected | Wrong WID code, wrong title, tdoc number missing, “void” should be uppercase  “Ambient power-enabled “ to be changed to “Ambient-power-enabled “ (to be checked) | Revised to S1-240198 |
| 04 | 6.2 | S1-240198 | OPPO | TS.22.369\_adding the abbreviation | CR | 22.369 | 0001 | 1 | F | 19.0.0 | Rel-19 | AmbientIoT | Revision of S1-240019 | Correct WI Code WICode is AmbientIoT. Update rev, and the date. Add tdoc number. Wrong title. Capitlized Void section.  Wrong alphabetical order  Wrong capitalizations | Revised to S1-240276 |
| 05 | 6.2 | S1-240276 | OPPO | TS.22.369\_adding the abbreviation | CR | 22.369 | 0001 | 2 | F | 19.0.0 | Rel-19 | AmbientIoT | Revision of S1-240198 | Correct WI Code WICode is AmbientIoT. Update rev, and the date. Add tdoc number. Wrong title. Capitlized Void section.  things->Things  Narrowband->NarrowBand | Revised to S1-240306 |
| 06 | 6.2 | S1-240306 | OPPO | TS.22.369\_adding the abbreviation | CR | 22.369 | 0001 | 3 | F | 19.0.0 | Rel-19 | AmbientIoT | Revision of S1-240276 | Correct WI Code WICode is AmbientIoT. Update rev, and the date. Add tdoc number. Wrong title. Capitlized Void section. NB-IoT NarrowBand Internet of Things | Agreed |
| 07 | 6.2 | [**S1-240020**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240020.zip) | OPPO | TS.22.369\_Adding the description of terms | CR | [**22.369**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4232) | 0002 |  | F | 19.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**Ambient-IoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020030) | Definitions of “Ambient IoT device” and “Energy harvesting” are added. | “Energy harvesting”: source seems to be Wikipedia and it is not needed. To be deleted.  Typos to be corrected on the cover page  Wrong CR number (kept the CR number for 22.369 when the CR is now proposed for 22.261) | Revised to S1-240199 |
| 08 | 6.2 | S1-240199 | OPPO | TS.22.369\_Adding the description of terms | CR | 22.369 | 0002 | 1 | F | 19.0.0 | Rel-19 | AmbientIoT | Revision of S1-240020 | Correct WI Code  Think we should have a definition: 2 companies  Think we should not: 2 companies  Either wrong CR number (author kept the CR number of 22.369 when the CR is now proposed to 22.261) | Revised to S1-240295 |
| 09 | 6.2 | S1-240295 | OPPO | TS.22.369\_Adding the description of terms | CR | 22.261 | 0002 | 2 | F | 19.0.0 | Rel-19 | AmbientIoT | Revision of S1-240199 | It seems that this definition is duplicated in TS 22.261. One of the 2 definitions has to be replaced by a pointer to the other definition.  Wrong title, wrong CR number | Revised to S1-240307 |
| 10 | 6.2 | S1-240307 | OPPO | TS22.369\_CR \_AIoT\_Adding the descirption of terms | CR | 22.369 | 0002 | 2 | F | 19.0.0 | Rel-19 | AmbientIoT | Revision of S1-240295 | Correct WI Code | Withdrawn |
| 11 | 6.2 | [**S1-240035**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240035.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Exemption of Priority Services (e.g., MPS) from Energy Limitation Controls | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0763 |  | C | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**EnergySer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000033) | This CR clarifies the text that indicates applicability of energy limitation controls to services using “best-effort traffic without QoS or priority criteria” and addition of a new requirement to exempt priority services (e.g., MPS) from energy limitation consumption controls. | Qualcomm, Nokia: terminology to be checked.  Apple: said to be category C, but Rel-19 is frozen. | Revised to S1-240200 |
| 12 | 6.2 | S1-240200 | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Exemption of Priority Services (e.g., MPS) from Energy Limitation Controls | CR | 22.261 | 0763 | 1 | D | 19.5.0 | Rel-19 | EnergyServ | Revision of S1-240035 | Correct WI Code  Wrong category. This is not an editorial change. | Revised to S1-240277 |
| 13 | 6.2 | S1-240277 | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Exemption of Priority Services (e.g., MPS) from Energy Limitation Controls | CR | 22.261 | 0763 | 2 | F | 19.5.0 | Rel-19 | EnergyServ | Revision of S1-240200 | Correct WI Code | Revised to S1-240313 |
| 14 | 6.2 | S1-240313 | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Exemption of Priority Services (e.g., MPS) from Energy Limitation Controls | CR | 22.261 | 0763 | 3 | F | 19.5.0 | Rel-19 | EnergyServ | Revision of S1-240277 | Correct WI Code for services such as emergency calls | Agreed |
| 15 | 6.2 | [**S1-240101**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240101.zip) | NTT DOCOMO | Editorial corrections in EE | CR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) | 0011 |  | F | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) | Typos corrected | Comments to be removed, mismatch between the title and the category: should be category D. | Revised to S1-240201 |
| 16 | 6.2 | S1-240201 | NTT DOCOMO | Editorial corrections in FS\_EnergyServ | CR | 22.882 | 0011 | 1 | D | 19.2.0 | Rel-19 | FS\_EnergyServ | Revision of S1-240101 | Cover page must be cleaned, update rev and date. Mark it as cat D. | Agreed |
| 17 | 6.2 | [**S1-240119**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240119.zip) | Deutsche Telekom AG | Editorial clean-up of TR 22.837 section 7 | CR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) | 0021 |  | D | 19.2.1 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Extra line to be deleted in 7.2 but this cannot be shown with revision marks. | Agreed |
| 18 | 6.2 | [**S1-240043**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240043.zip) | Xiaomi | Modifying the figure in 5.19.1 Description | CR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) | 0020 |  | D | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | One figure was missing. | The figure has already been restored. | Noted |
| 19 | 6.2 | [**S1-240073**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240073.zip) | Huawei | Editorial clean-up of KPI table for sensing | CR | [**22.137**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) | 0001 |  | F | 19.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  | This is not an editorial correction, type to be corrected. Source to TSG to be corrected. | Revised to S1-240202 |
| 20 | 6.2 | S1-240202 | Huawei | Correction on KPI table for sensing | CR | 22.137 | 0001 | 1 | F | 19.0.0 | Rel-19 | Sensing | Revision of S1-240073 | Correct cat Correct tittle, not call editorial. Update ver and date. And source WG. | Agreed |
| 21 | 6.2 | [**S1-240054**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240054.zip) | OPPO | DualSteer requirement updating | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0767 |  | F | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020031) |  | Must be Cat F | Revised to S1-240186 |
| 22 | 6.2 | S1-240186 | OPPO | DualSteer requirement updating | CR | 22.261 | 0767 | 1 | F | 19.5.0 | Rel-19 | DualSteer | Revision of S1-240054 | Qualcomm: concerns with the note  Huawei: OK with the note but not OK with the rest  To be discussed off-line | Revised to S1-240203 |
| 23 | 6.2 | S1-240203 | OPPO | DualSteer requirement updating | CR | 22.261 | 0767 | 2 | F | 19.5.0 | Rel-19 | DualSteer | Revision of S1-240186 | Must be Cat F  Category to be changed to D  Unaffected clauses should not be shown.  Wrong sections listed on the cover | Revised to S1-240278 |
| 24 | 6.2 | S1-240278 | OPPO | DualSteer requirement updating | CR | 22.261 | 0767 | 3 | D | 19.5.0 | Rel-19 | DualSteer | Revision of S1-240203 | Impacts should remain empty for Cat D CRs. | Revised to S1-240308 |
| 25 | 6.2 | S1-240308 | OPPO | DualSteer requirement updating | CR | 22.261 | 0767 | 4 | D | 19.5.0 | Rel-19 | DualSteer | Revision of S1-240278 | Cat F Proposed change affects: empty. Update rev and date. | Agreed |
| 26 | 6.2 | [**S1-240063**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240063.zip) | Honor | Clarification of services supported in UE-Satellite-UE communication | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0774 |  | F | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**5GSAT\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000024) | The CR clarifies that the services supported in UE-Satellite-UE communication can be either trough IMS or third-party applications. | Several companies (Nokia, Qualcomm,…) have concerned since they do not think that the change clarifies the requirement.  Proposed to be noted by author | Noted |
| 27 | 6.2 | [**S1-240095**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240095.zip) | NTT DOCOMO | Correction to Metaverse requirements | CR | [**22.156**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4199) | 0001 |  | F | 19.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020056) |  |  | Revised to S1-240204 |
| 28 | 6.2 | S1-240204 | NTT DOCOMO | Correction to Metaverse requirements | CR | 22.156 | 0001 | 1 | D | 19.0.0 | Rel-19 | Metaverse | Revision of S1-240095 | No impact for Cat D CRs. | Revised to S1-240279 |
| 29 | 6.2 | S1-240279 | NTT DOCOMO | Correction to Metaverse requirements | CR | 22.156 | 0001 | 2 | D | 19.0.0 | Rel-19 | Metaverse | Revision of S1-240204 | Impact boxes empty. Update rev and date. | Agreed |
| 30 | 6.2 | [**S1-240138**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240138.zip) | InterDigital | Alignment of terminology for requirements | CR | [**22.155**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3545) | 0052 |  | F | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**UAS\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000032) | In order to have a uniform specifiction and not hint towards the solution of a particular requirement, it is proposed to also make the requirement [R-6.8-003] generic. |  | Revised to S1-240261 |
| 31 | 6.2 | S1-240261 | InterDigital | Alignment of terminology for requirements | CR | 22.155 | 0052 | 1 | F | 19.1.0 | Rel-19 | UAS\_Ph3 | Revision of S1-240138 |  | Noted |
| 32 | 6.2 | S1-240185 | Nokia, Nokia Shanghai Bell | CR on energy-related definitions - second CR | CR | 22.261 | 0777 |  | F | 19.5.0 | Rel-19 | EnergyServ | Other part of the CR:  Update the following definitions  - Energy charging rate  - Energy credit  The CR also proposes to remove reference [46] which is not used in the document. | Huawei: this is something new, that Huawei is reluctant to add at this point.  Samsung: same comment | Revised to S1-240205 |
| 33 | 6.2 | S1-240205 | Nokia, Nokia Shanghai Bell | CR on energy-related definitions - second CR | CR | 22.261 | 0783 | 1 | F | 19.5.0 | Rel-19 | EnergyServ | Revision of S1-240185 | Improving, but Huawei still has concerns. | Revised to S1-240280 |
| 34 | 6.2 | S1-240280 | Nokia, Nokia Shanghai Bell | CR on energy-related definitions - second CR | CR | 22.261 | 0783 | 2 | F | 19.5.0 | Rel-19 | EnergyServ | Revision of S1-240205 | Samsung, Huawei: this is not clear | Noted |
| 35 | 6.2 | [**S1-240055**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240055.zip) | Honor | Clarification of 5G LAN-type service to enable UE-Satellite-UE communication with 5G satellite access | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0768 |  | F | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**5GSAT\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000024) |  |  | Withdrawn |
| 36 | 6.2 | S1-240048 | Honor Device | Enhancement to UE-satellite-UE communication with 5G satellite backhaul | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0765 |  | F | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**5GSAT\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020058) |  |  | Withdrawn |
| 37 | 6.2 | [**S1-240057**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240057.zip) | Honor | Clarification of services supported in UE-Satellite-UE communication | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0770 |  | F | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**5GSAT\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000024) |  |  | Withdrawn |
| 02 | 7 | S1-240222 | SA1 chair | Rel-20 proposed timeline | discussion |  |  |  |  |  |  |  | Proposed timeline for SA1: Normative work is 80% completed by March 2025 and 100% complete by June 2025.  No timeline for studies. | Chair: This is proposing an assumption for SA1 timeline. There is no intention to lead the 3GPP overall timeline, but SA1 still need a “local” timeline for conducing its work.  Nokia: only for Part 1 or also for Part 2?  Chair: Part 1 only since Part 2 is only study (for 6G)  Samsung: this timeline is highly appreciated. It also means that there is no time to lose at all in SA1.  DT, Telefonica: a one-quarter shift later is possible  Vodafone: would exceptions be possible?  Chair: yes, as always  Telefonica: can we have this discussion at next SA1 meeting? Is this doc for endorsement?  AT&T: overall OK. Would be good to have more time for 6G Study.  Ericsson: the work does not stop “sharp” at the end date, it always take some more months for stabilisation, also in SA1. So shifting these dates will lead to more delays.  Action: so all SID have to show March 2025 as completion date latest | Revised to S1-240266 |
| 03 | 7 | S1-240266 | SA1 chair | Rel-20 proposed timeline | discussion |  |  |  |  |  |  |  | Revision of S1-240222 | Clarified that the timeline is for Normative.  Samsung: this is an excellent management process. | Noted |
| 05 | 7 | S1-240213 | UIC | Study on FRMCS Phase 6 | WID new |  |  |  |  |  |  |  | Revision of S1-240137  It is now clarified to be:  The objective of this study is to update the TR22.989 to add new use-cases and enhance the existing ones as well as to drive new potential requirements to stage 1 TSs (e.g., 5GS, MCX), if any.for use cases for Call forwarding for Ad Hoc Group Call, Merging of Ad Hoc Group Call with Private voice call and other topics. | Nokia: prefer to go for a miniWID approach  Chair: No miniWID to be done for railways  Samsung: SID might indeed not be needed. The work can be covered by normative WID directly.  Kept open | Revised to S1-240253 |
| 06 | 7 | S1-240253 | UIC | Study on FRMCS Phase 6 | WID new |  |  |  |  |  |  |  | Revision of S1-240213 |  | Revised to S1-240287 |
| 07 | 7 | S1-240287 | UIC | Study on FRMCS Phase 6 | WID new |  |  |  |  |  |  |  | Revision of S1-240253 | Providing a clean version. | Agreed |
| 08 | 7 | [**S1-240137**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240137.zip) | UIC | Study on FRMCS Phase 6 | WID new |  |  |  |  |  |  |  |  | WID attached in the presentation, it shall be separated.  Some updates decided before the meeting during drafting session not incorporated here, to be added.  Ericsson explained that this is Phase 6 and the TR is updated for each Release. A proposal was to make a miniWID instead, because not so much call.  Chair: miniWID is just to be used for corner cases, not for work that requires also study.  Revised to S1-240213 for the SID part. The presentation is noted. | Noted |
| 10 | 7 | [**S1-240080**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240080.zip) | China Mobile | Study on Energy Efficiency as Service Criteria Ph2 | WID new |  |  |  |  |  |  |  | This study is aiming at identifying use cases, providing gap analysis and defining potential requirements in the following aspects regarding enhancement on energy efficiency as service criteria. | Comments made before presentation not incorporated. | Revised to S1-240212 |
| 11 | 7 | S1-240212 | China Mobile | Study on Energy Efficiency as Service Criteria Ph2 | WID new |  |  |  |  |  |  |  | Revision of S1-240080 | Changes incorporated. Additional supporting companies.  New comments: rephrasing is needed to make it more precise about what is subject to energy saving.  Ericsson, Huawei, Apple: if energy saving comes at a cost from an energy perspective (new procedures, etc), then it has to be clear that the balance remains negative in energy consumption.  Huawei: “collaboration between PLMN” is unclear (national roaming? DualSteer? Etc)  Apple: and the user has to be consulted to check if he/she agreed with sharing information related to him/her.  Samsung: “energy as a service criteria” is supposed to be the topic. The link with each of these bullets is not clear. The service aspect is what is important, because “energy efficiency” has always been in delegates’ minds when defining any procedure. | Revised to S1-240214 |
| 12 | 7 | S1-240214 | China Mobile | Study on Energy as Service Criteria Ph2 | WID new |  |  |  |  |  |  |  | Revision of S1-240212.  The Justification and the objectives have been widely redrafted. | Several companies (Telefonica, Nokia, Vivo, Apple, etc.) have quite a few questions, like the meaning of “collaboration”, the meaning of the 1st bullet, the implications of the 4th bullet (in particular energy for “end-to-end” calls), etc.  Vodafone: the “energy mix” in the 2nd bullet can be subject to several interpretations.  Huawei: this is moving in the correct direction, but still more rewording/clarifications are needed.  Chair: there is general support, what is needed is clarifications. A drafting session will be organised. | Revised to S1-240252 |
| 13 | 7 | S1-240252 | China Mobile | Study on Energy as Service Criteria Ph2 | WID new |  |  |  |  |  |  |  | Revision of S1-240214 | Several companies proposing changes to all objectives, so another drafting decided. | Revised to S1-240286 |
| 14 | 7 | S1-240286 | China Mobile | Study on Energy as Service Criteria Ph2 | WID new |  |  |  |  |  |  |  | Revision of S1-240252.  Resulting of the drafting session | A new TR is indeed meant to be created for Phase 2 (and not a revision on the existing one).  On Objective:  The following changes were agreed during the last presentation:  1st bullet: Apple: “to users or 3rd parties.” to be changed to “to authorise users or authorised 3rd parties ”  DT: “energy consumption” to be added after “i.e.”  2nd bullet: Vodafone: “ (including performance “ to be changed into “ (including service performance”  1st Note: Huawei: “authorised ” 3rd parties”  3rd bullet: Huawei: “trust” to be deleted. Nokia: delete text after “above,”.  2nd Note: Qualcomm: “result in” to be changed to “target”. Ericsson: no, the ambition is “to result”, not “to target”.  Chair: 2nd note is general and should not be indented.  DT “Note: it is expected that use cases result in net energy saving”  On Justification: DT: delete 2nd paragraph  Ericsson : delete paragraph starting with « Besides, »  Qualcomm: also delete the sentence just before (“user awareness…”)  Section 8:  Qualcomm: delete all the text  Supporting companies: all question marks to be removed except for Huawei  Add: DT, Futurewei, China Unicom  Misspelt telecom Italia, Verizon, Oppo, Vodafone, Thales  Section 5: also add the date | Revised to S1-240288 |
| 15 | 7 | S1-240288 | China Mobile | Study on Energy Efficiency as Service Criteria Ph2 | WID new |  |  |  |  |  |  |  | Revision of S1-240286 | “Objectives are”, dates to be reverted to the original ones (Dec 24 + Mar 25). Rapporteur: Nokia to be added. | Revised to S1-240297 |
| 16 | 7 | S1-240297 | China Mobile | Study on Energy Efficiency as Service Criteria Ph2 | WID new |  |  |  |  |  |  |  | Revision of S1-240288 | To be added: The new TR is in the 800 series | Revised to S1-240310 |
| 17 | 7 | S1-240310 | China Mobile | Study on Energy Efficiency as Service Criteria Ph2 | WID new |  |  |  |  |  |  |  | Revision of S1-240297 | The objectives are: DT -> Deutsche Telekom Correct dates (Dec and March Rapporteur -> Nokia | Agreed |
| 18 | 7 | S1-240289 | Editor | TR skeleton | Other |  |  |  |  |  |  |  |  |  | Revised to S1-240311 |
| 19 | 7 | S1-240311 | Editor | Energyserv TR Skeleton | other |  |  |  |  |  |  |  | Revision of 289.  As per the new SID on Energy as Service Criteria phase2 |  | Agreed |
| 20 | 7 | [**S1-240081**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240081.zip) | China Mobile | Discussion on Energy as Service Criteria phase2 | discussion |  |  |  |  |  |  |  |  | Corresponding SID in 080. | Noted |
| 21 | 7 | [**S1-240082**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240082.zip) | China Mobile | new use case on network energy saving involving different PLMNs | discussion |  |  |  |  |  |  |  |  | Corresponding SID in 080. | Noted |
| 22 | 7 | [**S1-240083**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240083.zip) | China Mobile | new use case on network supporting UE energy saving requirement | discussion |  |  |  |  |  |  |  |  | Corresponding SID in 080. | Noted |
| 24 | 7 | [**S1-240036**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240036.zip) | ZTE, CEPRI, China Unicom, China Telecom | New SID on Study on Task-driven Cooperative Dynamic Group | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-240206 |
| 25 | 7 | S1-240206 | ZTE, CEPRI, China Unicom, China Telecom, CMCC, VIVO | New SID on Study on Task-driven Cooperative Dynamic Group | SID new |  |  |  |  |  |  |  | Revision of S1-240036 | The main concern is that it might be too much at the application level. | Revised to S1-240215 |
| 26 | 7 | S1-240215 | ZTE, CEPRI, China Unicom, China Telecom, CMCC, vivo | New SID on Study on Enhanced Group Communication Service | SID new |  |  |  |  |  |  |  | Revision of S1-240206 |  | Revised to S1-240251 |
| 27 | 7 | S1-240251 | ZTE, CEPRI, China Unicom, China Telecom, CMCC, vivo | New SID on Study on Enhanced Group Communication Service | SID new |  |  |  |  |  |  |  | Revision of S1-240215.  Significant redrafting has been done for the objectives. | Samsung: the link of this proposal with other functionalities, e.g. multi-hop, is still not clear  Apple, KPN, Ericsson, Qualcomm: the 1st bullet: it is not clear where the information is exposed to. This seems to be solution-oriented. Still not clear why this is needed.  Still not clear for several other companies too (Telefonica, Qualcomm, Huawei…) | Revised to S1-240254 |
| 28 | 7 | S1-240254 | ZTE, CEPRI, China Unicom, China Telecom, CMCC, vivo | New SID on Study on Enhanced Group Communication Service | SID new |  |  |  |  |  |  |  | Revision of S1-240251 | Qualcomm, Apple: not ready to agree this version neither.  Apple: the complexity is just moved to another layer. | Noted |
| 29 | 7 | [**S1-240037**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240037.zip) | ZTE, CEPRI, China Unicom, China Telecom | Discussion on Task-driven Cooperative Intelligent Cluster | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-240207 |
| 30 | 7 | S1-240207 | ZTE, CEPRI, China Unicom, China Telecom | Discussion on Task-driven Cooperative Intelligent Cluster | discussion |  |  |  |  |  |  |  | Revision of S1-240037 | This SID is proposed to study the use cases related to 3GPP support of Cooperative Dynamic Group service and potential new requirements, considering e.g. the task-level QoS management for the dynamic group including task-level QoS configuration, monitoring and prediction. | Noted |
| 31 | 7 | [**S1-240038**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240038.zip) | ZTE | Use Case on Inspection in a Factory for Task-driven Cooperative Dynamic | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-240208 |
| 32 | 7 | S1-240208 | ZTE | Use Case on Inspection in a Factory for Task-driven Cooperative Dynamic | discussion |  |  |  |  |  |  |  | Revision of S1-240038 |  | Noted |
| 33 | 7 | [**S1-240039**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240039.zip) | ZTE | Use Case on Warehousing Task for Task-driven Cooperative Dynamic | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-240209 |
| 34 | 7 | S1-240209 | ZTE | Use Case on Warehousing Task for Task-driven Cooperative Dynamic | discussion |  |  |  |  |  |  |  | Revision of S1-240039 |  | Noted |
| 36 | 7 | [**S1-240016**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240016.zip) | OPPO | New SID on Study on 5GS assisted Cross-domain AI | SID new |  |  |  |  |  |  |  | Based on the justification above and the discussion paper S1#240015, it is proposed to study 5GS assisted cross-domain AI with the following objectives:  Part-a: Study 5GS assisted Vertical-FL  Part-b: Study 5GS assisted Mobile AI |  | Revised to S1-240216 |
| 37 | 7 | S1-240216 | OPPO | New SID on Study on 5GS assisted Mobile AI | SID new |  |  |  |  |  |  |  | Revision of S1-240016 | Apple: Mobile AI not defined  Samsung: contextual information not defined  Telefonica: typo in the title, inconsistency in the way it is referred to in the SID  MCC: incorrect acronym | Revised to S1-240255 |
| 38 | 7 | S1-240255 | OPPO | New SID on Study on 5GS assisted Mobile AI | SID new |  |  |  |  |  |  |  | Revision of S1-240216 | Proposed to be noted by author | Noted |
| 39 | 7 | [**S1-240015**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240015.zip) | OPPO | DP for the study of 5GS assisted Cross-domain AI | discussion |  |  |  |  |  |  |  | The objective of cross domain AI includes:  Part-a: Study 3GPP system assisted Vertical-FL  Part-b: Study 3GPP system assisted Mobile AI  Security and privacy aspect for both a) and b)  Charging aspect for both a) and b) | Apple: some work already done even in Stage 2 on this. What is new from what has already been done has to be more clearly differentiated. | Noted |
| 41 | 7 | [**S1-240022**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240022.zip) | Deutsche Telekom | New Study on Secondary Network Selection | WID new |  |  |  |  |  |  |  |  |  | Revised to S1-240146 |
| 42 | 7 | S1-240146 | Deutsche Telekom | New Study on Secondary Network Selection | WID new |  |  |  |  |  |  |  | Revision of S1-240022 | This is to study the existing and potential new use cases that are related to a UE or DualSteer device being concurrently connected to a PLMN and another network.  It will study those use cases concerning the network selection of secondary networks and derive potential enhancements to network selection requirements and configurations to define among other things the priorities and the dependencies between the primary and secondary network selection.  Apple, KPN: globally support, but Apple see that more justifications are needed on why this is only for Rel-20 and not earlier.  DT: agreed but Rel-20 is the best that can be done at this stage.  Novamint: this has been missing since Rel-15. SNPN network selection has to be considered by SA1.  Qualcomm: concerns with DualSteer since the work is still ongoing e.g. in SA2. | Revised to S1-240223 |
| 43 | 7 | S1-240223 | Deutsche Telekom | New Study on Secondary Network Selection | WID new |  |  |  |  |  |  |  | Revision of S1-240146 | Apple: does the network selection always have to be UE based? Some other mechanisms seem to be possible.  Telefonica: it is only for PALS or more general?  Qualcomm, Huawei: relationship with DualSteer (as being specified by SA2) is to be clarified, and incompatibilities between the two features (DualSteer and this one) shall not be introduced.  DT: “primary/secondary” refers to the first then second networks the UE is connected to. Wording can be improved. This is not only for PALS, this was just an example. | Revised to S1-240256 |
| 44 | 7 | S1-240256 | Deutsche Telekom | New Study on Secondary Network Selection | WID new |  |  |  |  |  |  |  | Revision of S1-240223 | Huawei: the wording of the first sentence in Objective is confusing. Also, note 3 about waiting for DualSteer Stage 2 in Rel-19 might be hard to achieve in practice given the respective timelines. | Noted |
| 45 | 7 | [**S1-240021**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240021.zip) | Deutsche Telekom AG | DP on new SID for secondary network selection | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 46 | 7 | [**S1-240023**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240023.zip) | Deutsche Telekom AG | TR skeleton for secondary network selection | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-240147 |
| 47 | 7 | S1-240147 | Deutsche Telekom AG | TR skeleton for secondary network selection | discussion |  |  |  |  |  |  |  | Revision of S1-240023 |  | Noted |
| 48 | 7 | [**S1-240024**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240024.zip) | Deutsche Telekom | Pseudo-CR on illustrative use case for secondary network selection | pCR | 22.cde |  |  |  |  |  |  |  |  | Revised to S1-240148 |
| 49 | 7 | S1-240148 | Deutsche Telekom | Pseudo-CR on illustrative use case for secondary network selection | pCR | 22.cde |  |  |  |  |  |  | Revision of S1-240024 | See actual SID in 146 | Noted |
| 51 | 7 | [**S1-240028**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240028.zip) | US Department of Homeland | Discussion on Disaster Communication Service (DCS) without Centralized 5G Core | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-240218 |
| 52 | 7 | S1-240218 | US Department of Homeland | Discussion on Disaster Communication Service (DCS) without Centralized 5G Core | discussion |  |  |  |  |  |  |  | Revision of S1-240028 | DCS is needed for use cases where user equipment (UE) is not able to get access to a centralized 5G core due to a) 5G gNBs are not available, b) a 5G core is not available, or c) both 5G gNB and a 5G core are not available Here are a few use cases.  Comments: the difference between what already exists and the proposed Enhancements shall be made clearer. | Noted |
| 54 | 7 | [**S1-240029**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240029.zip) | China Unicom, Huawei | New SID: Study of Enhanced 5G Resident | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-240219 |
| 55 | 7 | S1-240219 | China Unicom, Huawei | New SID: Study of Enhanced 5G Resident | SID new |  |  |  |  |  |  |  | Revision of S1-240029 | Chair: not enough supporting companies | Revised to S1-240257 |
| 56 | 7 | S1-240257 | China Unicom, Huawei | New SID: Study of Enhanced 5G Resident | SID new |  |  |  |  |  |  |  | Revision of S1-240219 |  | Revised to S1-240282 |
| 57 | 7 | S1-240282 | China Unicom, Huawei, Xiaomi | New SID: Study of Enhanced 5G Resident | SID new |  |  |  |  |  |  |  | Revision of S1-240257 | DT, Qualcomm: miniWID is a preferred approach  MCC: name not correct, it should be the Phase 3 of the previous ones on the same topic. Also, “resident” does not mean the same as “residential”. | Noted |
| 58 | 7 | [**S1-240030**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240030.zip) | China Unicom | Motivation for Enhancement to 5G Residence | discussion |  |  |  |  |  |  |  | The objective of this study is to identify use cases, provide a gap analysis and define potential enhancement requirements for the evolved Residential Gateway (without USIM) to access 5G networks and 5G services via non-3GPP access, including  Authentication and authorization aspects;  Identification of the eRG (without USIM);  5G based management of the eRG (on top of BBF TR-069).  Alternatively, a mini WID can be provided. | Actual SID in 029 | Noted |
| 60 | 7 | [**S1-240032**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240032.zip) | NEC | New Study on non-3GPP fallback to gain 3GPP access | WID new |  |  |  |  |  |  |  | This study aims to identify further use cases and service requirements for the use of non-3GPP access to accelerate a UE’s procedure in gaining 3GPP access to the Core network and services.  The objectives include the analysis of Stage-1 operational aspects and impact to the current 5GS functionality or the study of policy aspects, incl. | This needs further discussions off-line | Revised to S1-240220 |
| 61 | 7 | S1-240220 | NEC | New Study on non-3GPP fallback to gain 3GPP access | WID new |  |  |  |  |  |  |  | Revision of S1-240032 | Proposed to be noted by the author | Noted |
| 62 | 7 | [**S1-240031**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240031.zip) | NEC Europe Ltd | Motivation for New Study on non-3GPP fallback to gain 3GPP access | discussion |  |  |  |  |  |  |  |  | See actual SID in 0032 | Noted |
| 64 | 7 | [**S1-240034**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240034.zip) | NEC | New SID: Study on Advanced Non-Public Networks and their | SID new |  |  |  |  |  |  |  | The study is proposed to address among other things the PNI-NPNs and requirements for a flexible selection of a serving (control/data plane) network function(s) across multi-operator domains | This needs further discussions off-line | Revised to S1-240221 |
| 65 | 7 | S1-240221 | NEC | New SID: Study on Advanced Non-Public Networks and their | SID new |  |  |  |  |  |  |  | Revision of S1-240034 | Proposed to be noted by the author | Noted |
| 66 | 7 | [**S1-240033**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240033.zip) | NEC | Motivation for New Study on Advanced Non-Public Networks and Their Interworking | discussion |  |  |  |  |  |  |  |  | See actual SID in 0034 | Noted |
| 68 | 7 | [**S1-240052**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240052.zip) | Novamint, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, | New SID: Study on satellite access - Phase 4 | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-240210 |
| 69 | 7 | S1-240210 | Novamint, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, | New SID: Study on satellite access - Phase 4 | SID new |  |  |  |  |  |  |  | Revision of S1-240052 | Use cases/service requirements:  Support of Multicast and Broadcast Services (MBS) over satellite  Enhanced support for emergency communications and mission critical services via satellite  Enhanced support for multi-orbits satellite networks  Enhanced Network selection between satellites including roaming between multi orbits satellites or between satellites and terrestrial  Enhanced resilient UE-Satellite-UE communication with intermittent ground connectivity  Enhanced Satellite sharing for network entities on-board satellite  Mediatek: some priority might be introduced between items here because there are several items, and it might be complex to handle e.g. by SA2.  Chair: all satellite-related WIDs should be merged into one single one. This includes e.g. Hughes. MiniWIDs were not supposed to be submitted at this meeting nor at the next one. They can be considered only from August onwards. | Revised to S1-240235 |
| 70 | 7 | S1-240235 | Novamint, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, | New SID: Study on satellite access - Phase 4 | SID new |  |  |  |  |  |  |  | Revision of S1-240210  This is an attempt to merge all the SIDs with satellite aspects. | Novamint explain that the aspects where RAN is expecting SA1 outputs have been classified at the top.  Ericsson, Mediatek, Apple: the last bullet can be widely simplified.  Apple: “robust alert”: the meaning has been corrupted when merging. It needs rephrasing. IMS voice on GEO: regulatory requirements on emergency calls have to be considered.  Chair: to further revise the SID, the wording has to be improved for the “stable” ones. The more controversial ones can be removed at this stage and then added in a future revision.  SES: RAN is really expecting works from SA1 on several aspects listed here. | Revised to S1-240258 |
| 71 | 7 | S1-240258 | Novamint, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, | New SID: Study on satellite access - Phase 4 | SID new |  |  |  |  |  |  |  | Revision of S1-240235 | Apple: emergency communication: the aspects to be included shall be specified: location? Etc  KPN: reference to be added.  Other changes requested, so another drafting session to be handled. | Revised to S1-240290 |
| 72 | 7 | S1-240290 | Novamint, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, | New SID: Study on satellite access - Phase 4 | SID new |  |  |  |  |  |  |  | Revision of S1-240258  This result from another drafting session on Satellite. | Calendar dates to be added..  Last but one sentence to be deleted in bullet 3.  Section 8 should be empty.  920069 to be deleted as linked WID.  Typos to be corrected.  Oppo, Sharp, Vodafone, Sony, Mediatek and CableLabs to be added as supporting companies | Revised to S1-240298 |
| 73 | 7 | S1-240298 | Novamint, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, | New SID: Study on satellite access - Phase 4 | SID new |  |  |  |  |  |  |  | Revision of S1-240290 | Add Xiaomi as supporting company.  Change format of the date. | Revised to S1-240312 |
| 74 | 7 | S1-240312 | Novamint, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, | New SID: Study on satellite access - Phase 4 | SID new |  |  |  |  |  |  |  | Revision of S1-240298 | Adding supporting company. Format dates | Agreed |
| 75 | 7 | S1-240291 | Novamint | TR skeleton for satellite | TR skeleton |  |  |  |  |  |  |  |  | This is mostly for information at this stage. | Noted |
| 76 | 7 | [**S1-240053**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240053.zip) | NOVAMINT, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, vivo, SKY Perfect JSAT, Sateliot, Lockheed Martin, Hughes Network systems, CATT, Nokia, Nokia Shanghai Bell, OQ Technology, China Telecom | Motivation for a Study on satellite access - Phase 4 | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-240211 |
| 77 | 7 | S1-240211 | NOVAMINT, Thales, Airbus, Eutelsat Group, Fraunhofer IIS, TNO, ESA, SES, ETRI, vivo, SKY Perfect JSAT, Sateliot, Lockheed Martin, Hughes Network systems, CATT, Nokia, Nokia Shanghai Bell, OQ Technology, China Telecom | Motivation for a Study on satellite access - Phase 4 | discussion |  |  |  |  |  |  |  | Revision of S1-240053 | See actual SID in 210 | Noted |
| 78 | 7 | [**S1-240064**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240064.zip) | SES, Thales, Ligado, Novamint, Inmarsat, Viasat, Avanti, Airbus, ESA, Hispasat, | Use Cases motivations for 5G MBS over NTN study | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 80 | 7 | [**S1-240106**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240106.zip) | vivo, Novamint, Fraunhofer IIS, Hughes, EchoStar, China Unicom, | New mini-WID on Enhancements for IMS-based GEO Global Call | WID new | **22.261** | 00xx |  | B | 19.5.0 | **Rel-20** | **IMS\_GEO** | The objectives of this work item are to specify service requirements for enhancements to IMS-based GEO global call services, especially considering the limitations of GEO’s transmission rate, capacity, and propagation delay. | There is a common agreement to have one single WID related to satellite aspects, so it is proposed to merge this one with the other satellite WID. Merged in 235. | Merge into S1-240235 |
| 82 | 7 | [**S1-240065**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240065.zip) | China Unicom, Rakuten Mobile, SK Telecom, LG Uplus, CATT | New Study on NetShare phase 2 | WID new |  |  |  |  |  |  |  | This study will investigate use cases and potential new requirements related to network sharing scenarios, in the case of sharing satellite network and considering the disaster condition. | Chair: as it has always been the case, the WIDs should be merged by topics as much as possible. This also applies to satellite aspects.  Merged into 0235  A drafting session will take place on how to merge satellite WIDs.  Chair: if the rapporteurship is an issue, the chair will assign them. | Revised to S1-240149 |
| 83 | 7 | S1-240149 | China Unicom, Rakuten Mobile, SK Telecom, LG Uplus, CATT, | New Study on NetShare phase 2 | WID new |  |  |  |  |  |  |  | Revision of S1-240065 | Proposed to be noted by the author  DT is also supporting? | Noted |
| 84 | 7 | [**S1-240066**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240066.zip) | China Unicom | Further analyses and use case suggestions on NetShare phase 2 | discussion |  |  |  |  |  |  |  | Problem for R19 INS:  - R19 Hosting Operator may operate core network and Shared NG-RAN(TN part), while satellite network sharing involves  TN and NTN parts.  - New business model, agreements related with OP1,OP2 and satellite.  Proposal for SA1 R20:  - The concept of INS R20 may introduce the possibility to support additional new business  role models, including sharing satellites, hosting terrestrial operator and participating terrestrial operator. | Actual SID in 065. | Noted |
| 86 | 7 | [**S1-240074**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240074.zip) | CATT | Study on Vehicle-Mounted Relays Phase3 | WID new |  |  |  |  |  |  |  | This Study will investigate on additional use cases and potential service requirements for enhancing 5GS to support mobile base station relay mounted on vehicles(e.g. UAV, vessel) using the connectivity to 3GPP satellite NG-RAN, including:  User/service experience (e.g. minimize the impact for voice, data, and SMS) when the relay connectivity switches between TN access and NTN access  Local services on the vessels for different purposes (e.g. efficient content delivery to onboard UEs, local switching, public safety with isolated NG-RAN)  Aspects related to charging, regulatory requirements(e.g. emergency services). | This contains satellite aspects that should be moved out of this WID.  Samsung: the importance of grouping all satellite aspects that deal with satellite is to have the appropriate experts in the room.  Samsung: it might suffer the same problem as with IOPS, i.e. only the supporting company is interested in it. Here, it is not clear what the purpose of this WID is.  Mediatek: same concerns. It is not clear what is missing in the current system.  KPN: this study might work without satellite. The satellite aspects is just a corner case.  Vodafone: this is more complex as it might be because, in slide 3 of 0075, all the areas are moving.  Ericsson: what is public safety doing here?  CATT: it should not be merged with satellite.  Chair: the last two WIDs are kept open, to be discussed in the satellite drafting session if to be merged in the satellite WID or not. The Vivo WID is either to be merged or to be noted. Vivo (Amy) prefer to have it merged. Same for Hughes network WID: to be merged in the Rel-20 SID. | Revised to S1-240245 |
| 87 | 7 | S1-240245 | CATT | Study on Vehicle-Mounted Relays Phase3 | WID new |  |  |  |  |  |  |  | Revision of S1-240074 | Qualcomm: the differences between the 1st and the 2nd bullet are not clear. | Revised to S1-240259 |
| 88 | 7 | S1-240259 | CATT | Study on Vehicle-Mounted Relays Phase3 | WID new |  |  |  |  |  |  |  | Revision of S1-240245 | Qualcomm, DT: this would be better covered by miniWIDs. | Noted |
| 89 | 7 | [**S1-240075**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240075.zip) | CATT | Discussion on Study of VMR Phase3 | discussion |  |  |  |  |  |  |  | Supporting slides for the SID in 074. | Actual SID in 074. | Noted |
| 90 | 7 | [**S1-240076**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240076.zip) | CATT | Use case on concurrent local services and remote services via vessel | discussion |  |  |  |  |  |  |  | This contribution illustrates a use case for providing local communication services and remote services concurrently on a luxury cruise ship via mobile base station relays for the users on the ship, and identifies potential new requirements regarding the gap analysis compared with existing functionalities. |  | Noted |
| 91 | 7 | [**S1-240077**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240077.zip) | CATT | Use case on User Experience during link change between TN and NTN | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 93 | 7 | [**S1-240091**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240091.zip) | CATT | Study on Critical IoT applications via dual 3GPP access | WID new |  |  |  |  |  |  |  | Study the use cases and potential service requirements to improve 5GS for control related services of DualSteer device-based critical IoT applications via dual 3GPP access, including:  Positioning enhancement (e.g. location source selection, location information directing, etc)  Messaging services over signalling (e.g. downlink message delivery)  Aspects related to network capability exposure, charging, etc | Vodafone: DualSteer was meant for user data plane, not for control plane.  Huawei: this is a solution, not a requirement. At least SA2 output for DualSteer should be stable before proposing to improve DualSteer.  Mediatek: since Rel-16 included, multiple solutions have been proposed for increased reliability. What is new in this proposal has to be highlighted. | Revised to S1-240236 |
| 94 | 7 | S1-240236 | CATT | Study on Critical IoT applicationsCollaboration of via dual 3GPP | WID new |  |  |  |  |  |  |  | Revision of S1-240091 |  | Revised to S1-240260 |
| 95 | 7 | S1-240260 | CATT | Study on Collaboration of dual 3GPP access | WID new |  |  |  |  |  |  |  | Revision of S1-240236 | Huawei: 2nd bullet is a solution, not a requirement  AT&T: support, to be added as supporting company  DT: need more time to check  Vodafone: concerns. Wait or note.  CATt: OK to try again at next meeting | Noted |
| 96 | 7 | [**S1-240092**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240092.zip) | CATT | Discussion on supporting DualSteer device based Critical IoT applications via dual 3GPP access | discussion |  |  |  |  |  |  |  | Support presentation for the SID in 0091. |  | Noted |
| 97 | 7 | [**S1-240093**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240093.zip) | CATT | Analysis of use case of AGV control via dual 3GPP access | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 99 | 7 | [**S1-240027**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240027.zip) | InterDigital | New SID: Study on distributed device and user-centric trust | SID new |  |  |  |  |  |  |  | This SID is to study the use cases and potential service requirements for 5GS to support distributed device and user-centric trust:  New service scenarios which demand and/or can be built upon distributed trust.  New service scenarios which demand and/or can be built upon user-centric trust.  The stage-1 impact of distributed and user-centric trust on existing functionality in 5GS, e.g., network access, roaming, security, O&M, energy saving and charging. | Samsung: trust in NPN might follow completely different scheme than the 3GPP-defined ones. If the intention is to prolongate the 3GPP security to the NPNs, then a point to consider is that companies deploying NPN might not want to share their network configuration to public network. So it sounds difficult to secure an unknown system.  Telefonica: this SID is very abstract and so it is not clear which problem is tried to be solved.  Futurewei, KPN, Huawei: this might be more for 6G, if at all. There is no specific problem to be solved for 5GA.  Sony: although this is not solving any problem, this might be a new way of thinking for security.  Novamint: some of these scenarios were attempted to be covered by ISN, it is too bad that they were not presented for ISN. | Revised to S1-240238 |
| 100 | 7 | S1-240238 | InterDigital | New SID: Study on distributed device and user-centric trust | SID new |  |  |  |  |  |  |  | Revision of S1-240027 | Huawei, DT, Telefonica: this should not be pursued in 5GA  InterDigital: maybe the concept expressed in Figure 1 is rescuable?  Huawei: revising the security architecture might have important impact on SA3, this might not be appropriate to change | Noted |
| 101 | 7 | [**S1-240026**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240026.zip) | InterDigital | Motivation for study on distributed device and user-centric trust | discussion |  |  |  |  |  |  |  | Presentation to support the SID in 0027. |  | Noted |
| 103 | 7 | S1-240239 | Xiaomi | Possible enhancements on Integrated Sensing and Communication | Other |  |  |  |  |  |  |  | From S1-240045 |  | Withdrawn |
| 104 | 7 | [**S1-240045**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240045.zip) | CMCC, Xiaomi | New SID on Study on Integrated Sensing and Communication Phase 2 | SID new |  |  |  |  |  |  |  | This SID is proposed to study new use cases for enhancements to Communication-Assisted Sensing, including Integration of WLAN access sensing, UE-UE sensing under network control, Sensing with sensing relay and other “Mini improvements”. | Chair: the fundamental question is: do we need to do anything else for Sensing for 5GA or is it now a 6G topic?  Apple: this is indeed the key question. 5GA Rel-20 could be minimal work, mostly to “clean-up” Rel-19 work.  Telefonica: although there is value in some use cases, it is premature to start yet significant work in Rel-20 5GA.  Ericsson: same as Telefonica. “Downstream” groups have to progress before to add significant new work on this.  Several other companies think alike (Nokia, Vodafone, DT)  Vodafone: Rel-20 shall be limited to small enhancements  Chair: clarifications/corrections to Rel-19 is Rel-19 and not Rel-20  Chair: summary: most of the companies have expressed the view that Sensing for Rel-20 in SA1 should be very limited, if there is something to be done at all.  The scope for 5GA Rel-20 sensing has to be drastically reduced to get a chance to be agreed in SA1.  New tdoc on this topic to be produced in S1-240239 | Revised to S1-240263 |
| 105 | 7 | S1-240263 | CMCC, Xiaomi | New SID on Study on Integrated Sensing and Communication Phase 2 | SID new |  |  |  |  |  |  |  | Revision of S1-240045 | Ericsson, Nokia, Telefonica: same view as before, the normal work is not even started for phase 1, too early to start phase 2  Apple: not start a SID but miniWID to make mini enhancements is OK | Noted |
| 106 | 7 | [**S1-240044**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240044.zip) | Xiaomi | Integrated Sensing and Communication Phase2 | discussion |  |  |  |  |  |  |  | This is the supporting contribution for the SID in 0045. |  | Noted |
| 107 | 7 | [**S1-240046**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240046.zip) | Xiaomi | Use case on WLAN access to sense passenger flow in an airport | pCR | **22.xxx** |  |  |  |  |  |  |  |  | Noted |
| 108 | 7 | [**S1-240047**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240047.zip) | Xiaomi | Use case on sensing assisted discovery and communication | pCR | **22.xxx** |  |  |  |  |  |  |  |  | Noted |
| 109 | 7 | [**S1-240105**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240105.zip) | China Mobile Com. Corporation | Discussion on Integrated Sensing and Communication phase 2 | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 110 | 7 | [**S1-240112**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240112.zip) | Qualcomm | Use case on UE-based Sensing Assisted Automotive Maneuvering and | pCR | **22.xxx** |  |  |  |  |  |  |  |  | Noted |
| 111 | 7 | [**S1-240125**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240125.zip) | Qualcomm | Use case on Sensing Relays for Localization | pCR | **22.xxx** |  |  |  |  |  |  |  |  | Noted |
| 113 | 7 | [**S1-240067**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240067.zip) | China Unicom | New SID: Study on Multi-network Interoperability Enhancement | SID new |  |  |  |  |  |  |  | The objectives of this study are to investigate use cases which enable a 5GC/SA network to provide 5G services in the following scenarios:  - when a subscriber of HPLMN supporting only EPC/NSA networks roams to a VPLMN supporting only 5GC/SA networks;  - when a subscriber travels, within one PLMN, from an EPC/NSA only area to a 5GC/SA only area.  And to Derive potential requirements from those use cases regarding network access control, subscription information retrieval, etc. | Samsung: the starting assumption for 5G was to support UEs from previous generations. Here, it seems to be not provided.  Nokia: the problem that is intended to be solved is not clear, and the solution neither.  Vodafone: problems here have to be solved from the beginning of 5G deployment. | Revised to S1-240242 |
| 114 | 7 | S1-240242 | China Unicom, China Telecom | New SID: Study on Multi-network Interoperability Enhancement | SID new |  |  |  |  |  |  |  | Revision of S1-240067 | Also “DT?”.  Also proposed to be noted by the author. | Noted |
| 115 | 7 | [**S1-240068**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240068.zip) | China Unicom | Discussion on Multi-network Interoperability Enhancement | discussion |  |  |  |  |  |  |  | Supporting paper for the SID in 67 |  | Noted |
| 117 | 7 | [**S1-240089**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240089.zip) | LG Electronics | Study on Network of Service Robots with Ambient Intelligence Phase 2 | WID new |  |  |  |  |  |  |  |  |  | Revised to S1-240224 |
| 118 | 7 | S1-240224 | LG Electronics | Study on Network of Service Robots with Ambient Intelligence Phase 2 | WID new |  |  |  |  |  |  |  | Revision of S1-240089.  The objective of this study is to further evaluate the outcome of Release 19 Study and to identify use cases and aspects related to efficient communications service and cooperative operation for a group of service robots in various areas and industry verticals which are not covered previously, including collaborative robots (cobots): cooperative networking among cobots (as a UE, a UE relay, mobile base station relay, and base station) and efficient communication support | Telefonica: there are similarities with other WID/SIDs, merging can be possible.  Apple: in phase 1, there was no normative work, only a study. What to do now?  LG: there are new elements, like “cobot” following “sobot” | Revised to S1-240246 |
| 119 | 7 | S1-240246 | LG Electronics | Study on Network of Service Robots with Ambient Intelligence Phase 2 | WID new |  |  |  |  |  |  |  | Revision of S1-240224 |  | Revised to S1-240262 |
| 120 | 7 | S1-240262 | LG Electronics | Study on Network of Service Robots with Ambient Intelligence Phase 2 | WID new |  |  |  |  |  |  |  | Revision of S1-240260 | Huawei, Qualcomm: still concerns at this meeting | Noted |
| 121 | 7 | S1-240090 | LG Electronics Inc. | Study on Network of Service Robots with Ambient Intelligence Phase 2 - DP | discussion |  |  |  |  |  |  |  | Supporting presentation for the SID in 224. | Problem with file | Revised to S1-240243 |
| 122 | 7 | S1-240243 | LG Electronics Inc. | Study on Network of Service Robots with Ambient Intelligence Phase 2 - DP | discussion |  |  |  |  |  |  |  | Revision of S1-240090 |  | Noted |
| 124 | 7 | [**S1-240103**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240103.zip) | Nokia, Nokia Shanghai Bell | New SID: Study on user interactivity in the IMS | SID new |  |  |  |  |  |  |  | This study aims at identifying use cases, providing gap analysis and defining potential requirements to enable the IMS system supporting user interactivity allowing operators to control the interactivity opportunities, access to actual user feedback and react accordingly. | Apple: not convinced about the interest of this Feature. Interactivity is assumed to be with who/what? What is the difference when made at the Application level?  Qualcomm: objectives indeed to be clarified. Understood that the network has to be involved too, so it is not only at the application level.  Samsung: support Apple: scope unclear. Is it for feedback between network operator and user? IMS has some capacities that can be used already.  Xiaomi: it can be combined with CMCC proposal. Impact on UE to be clarified.  Huawei: also not clear.  Ericsson: also support Apple. Is it about the relationship with the operator?  Other companies also think that what is proposed to be defined is not clear and/or if not already supported by existing IMS.  Nokia: “interactivity” might indeed be confusing. | Revised to S1-240244 |
| 125 | 7 | S1-240244 | Nokia, Nokia Shanghai Bell, China Mobile | New SID: Study on user interactivity in the IMS | SID new |  |  |  |  |  |  |  | Revision of S1-240103 | Chair: WGs should not be mentioned in section 8.  Apple: it is good that it is now clarified that it is “control interactions”, and not any type of interactions. However, they still have concerns  Xiaomi, Vivo, AT&T same as Apple  Ericsson, Samsung, Vodafone: support with some re-write  Support: 6 companies  Against: 4 companies  Chair: one more chance to be given | Revised to S1-240264 |
| 126 | 7 | S1-240264 | Nokia, Nokia Shanghai Bell, China Mobile | New SID: Study on user interactionvity in the IMS | SID new |  |  |  |  |  |  |  | Revision of S1-240244 | AT&T: adding this mechanism to IMS sounds quite complex in real life. At least more time is needed to study the impacts of the proposal  FirstNet: also concerns  Apple, Xiaomi: still concerns. Thanks for the clarifications though | Revised to S1-240292 |
| 127 | 7 | S1-240292 | Nokia, Nokia Shanghai Bell, China Mobile | New SID: Study on user interaction in the IMS | SID new |  |  |  |  |  |  |  | Revision of S1-240264 |  | Noted |
| 128 | 7 | [**S1-240102**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240102.zip) | Nokia, Nokia Shanghai Bell | Motivations for new SID on User interactivity in IMS | discussion |  |  |  |  |  |  |  | Supporting presentation for the SID in 103 |  | Noted. |
| 130 | 7 | [**S1-240114**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240114.zip) | China Mobile | New SID on Artificial Intelligence enhanced IMS Multimedia | SID new |  |  |  |  |  |  |  | The objectives of this study are to study new use cases on AI enhanced IMS multimedia telephony service to identify new service requirements and enhancements for AI enhanced IMS multimedia telephony service; and to identify potential enhancements for IMS/5G system to fulfill the new service requirements captured from bullet 1) above. | Samsung, Apple: AI is not to be standardised by 3GPP. If the intention is to have a “translation” teleservice, then this can be done. Also if this is to introduce real-time subtitles. The services mentioned might be interesting, but the impacts on 3GPP standards are unclear.  Ericsson, Telefonica, Xiaomi: support Samsung’s view: this is a the service level, not at the network level.  Nokia: there are similarities with our proposal.  Chair: Kept open to check if a merging is possible with Nokia’s proposal.  Merged in 0244. | Merged into S1-240244 |
| 131 | 7 | [**S1-240115**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240115.zip) | China Mobile Com. Corporation | Discussion on Motivation on Artificial Intelligence enhanced IMS Multimedia Telephony Service | discussion |  |  |  |  |  |  |  | Supporting presentation for the SID in 114 |  | Noted |
| 133 | 7 | [**S1-240121**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240121.zip) | Robert Bosch GmbH | New Study on 3GPP Subnetworks | WID new |  |  |  |  |  |  |  | The main objective of the study is the identification of new use cases and potential requirements for enabling subnetworks in 3GPP. Potential new requirements to enable subnetworks could address the following aspects:  • The necessary features and mechanisms to enable partial autonomy from the parent network.  • The subnetwork management entity is able to handle control | More time given to off-line discussions | Revised to S1-240247 |
| 134 | 7 | S1-240247 | Robert Bosch GmbH | New Study on 3GPP Subnetworks | WID new |  |  |  |  |  |  |  | Revision of S1-240121 | Telefonica, DT, Vodafone: still concerns, in particular not clear what is meant from a service point of view | Revised to S1-240265 |
| 135 | 7 | S1-240265 | Robert Bosch GmbH | New Study on 3GPP Subnetworks | WID new |  |  |  |  |  |  |  | Revision of S1-240247 | Proposed to be noted by the author | Noted |
| 136 | 7 | [**S1-240120**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240120.zip) | Robert Bosch GmbH, Siemens, Fraunhofer IIS | Motivation for 3GPP Subnetworks | discussion |  |  |  |  |  |  |  | Supporting presentation for the SID in 121 |  | Noted |
| 138 | 7 | [**S1-240122**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240122.zip) | China Telecom | New SID on Distributed Customization Network Services | SID new |  |  |  |  |  |  |  | The main objectives of this study include the support of the collaboration of distributed networks formed by PLMN and customized SNPNs, including disaster relief under network failure, service delivery via multiple networks, activation/de-activation of networks for energy saving, etc. | Siemens: the objectives are too vague. Very specific indications should be given e.g. on what type(s) of networks to involve.  Telefonica: the 2nd objective (“Investigating gaps between the identified new potential requirements and the requirements already specified for the 5G system”) is a good candidate for 5GA, not the main one.  T-Mobile: SNPN are not designed for public subscribers, and this proposal might go against this principle.  KPN: this is not really to solve problems but to enable new capacities, so maybe it is more for 6G. | Revised to S1-240248 |
| 139 | 7 | S1-240248 | China Telecom | New SID on Distributed Customization Network Services | SID new |  |  |  |  |  |  |  | Revision of S1-240122 |  | Withdrawn |
| 140 | 7 | [**S1-240124**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240124.zip) | China Telecom | Example use case on Distributed Customization Network Services | pCR | **22.xx** |  |  |  |  |  |  |  |  | Noted |
| 141 | 7 | [**S1-240127**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240127.zip) | China Telecom | Discussion on Distributed Customization Network Services | discussion |  |  |  |  |  |  |  | Supporting presentation for the SID in 122 |  | Revised to S1-240177 |
| 142 | 7 | S1-240177 | China Telecom | Discussion on Distributed Customization Network Services | discussion |  |  |  |  |  |  |  | Revision of S1-240127 |  | Noted |
| 144 | 7 | S1-240134 | CableLabs | Study on supporting 2Tx/2Rx Multi-SIM (MUSIM) UE | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-240136 |
| 145 | 7 | [**S1-240136**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240136.zip) | CableLabs | New SID on enhanced support for dual Tx/Rx Multi-USIM (MUSIM) | SID new |  |  |  |  |  |  |  | Revision of S1-240134.  The objectives of this work item are to study and identify use cases for supporting 2Tx/2Rx MUSIM scenarios and to specify service requirements for coordination between 3GPP access networks associated with 2Tx/2Rx MUSIM UE | Some solutions have already been developed in RAN, so it has to be investigated how this proposal would fit with RAN’s work. | Revised to S1-240249 |
| 146 | 7 | S1-240249 | CableLabs | New SID on enhanced support for dual Tx/Rx Multi-USIM (MUSIM) | SID new |  |  |  |  |  |  |  | Revision of S1-240136 | Proposed to be noted by the author | Noted |
| 147 | 7 | [**S1-240135**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240135.zip) | CableLabs | Discussion on supporting 2Tx/2Rx Multi-SIM (MUSIM) UE | discussion |  |  |  |  |  |  |  | Supporting presentation for the SID in 136 |  | Noted |
| 149 | 7 | [**S1-240143**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240143.zip) | Qualcomm | New WID on Supplemental network extension | WID new |  |  |  |  |  |  |  | Study use cases and requirements to support scenarios where MNO(s) relies on a 3rd party (here called “SupNet provider”) to install and manage network resources (e.g. RAN nodes) used to provide supplemental coverage and/or capacity to the MNO’s users, e.g. in indoor, hotspot or rural areas. | Nokia: this looks like management and configuration: two network operators have an agreement so that each one can control the network of the other one. The impact on the standard is not clear.  Telefonica: the impact on the standard is not clear neither, this is indeed a business agreement between two companies. There might be some gaps, e.g. in the authentication, that could be studied here.  Dish: this is a type of RAN-sharing configuration .  Samsung: the SA1 involvement on the RAN management are not clear. This is more for RAN and SA5 to be done. | Revised to S1-240250 |
| 150 | 7 | S1-240250 | Qualcomm | New WID on Supplemental network extension | WID new |  |  |  |  |  |  |  | Revision of S1-240143 | Proposed to be noted by the author  Chair: next SA1 meeting is still going to be open for 5GA topics, so all documents noted at this meeting can still be discussed in between now and the next meeting | Noted |
| 151 | 7 | [**S1-240142**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240142.zip) | Qualcomm Incorporated | Supplemental NW extension – Overview | other |  |  |  |  |  |  |  | This is a revision of the proposal made at the previous meeting. It is a supporting presentation for the SID in 0143. |  | Noted |
| 01 | 9.1 | [**S1-240100**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240100.zip) | Nokia, Nokia Shanghai Bell | An initial proposal to address key societal values in 6G in SA1 | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 9.1 | [**S1-240025**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240025.zip) | Sony Europe B.V. | Thoughts on the Introduction of (Key) Values in SA1 | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 03 | 9.1 | [**S1-240104**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240104.zip) | Ericsson GmbH, Eurolab | Consideration for KV | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 04 | 9.1 | [**S1-240107**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240107.zip) | China Telecom | Discussion on the Key Value Indicator | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 05 | 9.1 | [**S1-240116**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240116.zip) | Huawei | Discussion on usage of Key Value / Key Value Indicators in 3GPP | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 06 | 9.1 | [**S1-240117**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240117.zip) | Samsung | Discussion of Evaluating Values | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 07 | 9.1 | [**S1-240133**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240133.zip) | China Mobile | Discussion on potential KVI input from ITU | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 08 | 9.1 | [**S1-240139**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240139.zip) | Vodafone | Discussion on Key Values (KVs) and Key Value Indicators (KVIs) | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 09 | 9.1 | [**S1-240144**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240144.zip) | KPN, TNO | Discussion on KVs and KVIs | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 10 | 9.1 | S1-240230 | Nokia | Next steps regarding KVIs | discussion |  |  |  |  |  |  |  | This results from the draft session on KVI.  Proposal for SA1#106: Encourage IM contributions to discuss a common set of “values” (and their meaning) to be considered within SA1 for Rel-20 Part2  Other considerations on “values” are welcome as IMs express their view on 6G | Huawei: the slide 4 (“do”/”don’t”) is the key information. The proposal slide is proposed to be deleted.  Futurewei: “identify” is to be done before “grouping”  KPN: 2nd buller of the proposal should be deleted, since dealing with 6G  Samsung: delete this slide and ask companies to contribute on it  Huawei: up to the leadership to decide of the format of the 6G WIDs/use cases that will be presented at next meeting, not the delegates to decide now  Samsung: some issues with slide 3 (“Consensus principles should not be impacted ”)  MCC: what is SA1 leadership supposed to do with this? Incorporate it in templates?  Huawei, Samsung: this is just for information, no concrete action to be taken.  Qualcomm: more generally, what is the next step with this topic?  Nokia: this can be noted and can be continued at next meeting.  Chair: there will be a point on KVI at the agenda for next meeting.  This report reflects Nokia’s interpretation on KVIs discussions at SA1#105. | Noted |
| 01 | 9.2 | [**S1-240111**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240111.zip) | China Telecommunications | Series New Features Towards Future Rel-20 performance | discussion |  |  |  |  |  |  |  |  | Out of scope of the agenda of this meeting | Noted |
| 02 | 9.2 | [**S1-240130**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_105_Athens/Docs/S1-240130.zip) | Nokia, Nokia Shanghai Bell, KDDI, SK Telecom, Rakuten Mobile, Spark NZ, Reliance Jio, KT Corp., LG Uplus, ETRI, Thales, Novamint, Sateliot | Structure considerations for SA1 Rel-20 Part B study | discussion |  |  |  |  |  |  |  |  | Out of scope of the agenda of this meeting | Noted |