**3GPP TSG-SA WG1 Meeting #107**

**Maastricht, the Netherlands, 19 – 23 Aug 2024**

# tdoc list SA1#107 version August 22nd 6PM

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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 | [**S1-242000**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242000.zip) | SA1 Chair | 1st Draft Agenda for SA1#107 | agenda |  |  |  |  |  |  |  |  |  | Revised to S1-24242001 |
| 02 | 1.1 | S1-242001 | SA1 Chair | 2nd Draft Agenda for SA1#107 | agenda |  |  |  |  |  |  |  |  |  | Revised to S1-242002 |
| 03 | 1.1 | S1-242002 | SA1 Chair | Agenda for SA1#107 | agenda |  |  |  |  |  |  |  |  | Revision of S1-242001. | Agreed |
| 02 | 1.3 | [**S1-242004**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242004.zip) | ETSI | Draft minutes of previous SA1 meeting | report |  |  |  |  |  |  |  |  |  | Revised to S1-242005 |
| 03 | 1.3 | S1-242005 | ETSI | Minutes of previous SA1 meeting | report |  |  |  |  |  |  |  |  | Revision of S1-242004. | reserved |
| 01 | 10.1 | [**S1-242030**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242030.zip) | Nokia | Considerations on implementing Key Values for SA1 6G study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 02 | 10.1 | [**S1-242031**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242031.zip) | Nokia | Considerations on defining Key Values for SA1 6G study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 03 | 10.1 | [**S1-242032**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242032.zip) | Nokia | KV Manifesto for SA1 6G Rel-20 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-242344 |
| 04r | 10.1 | S1-242500 | Nokia | KV Manifesto for SA1 6G Rel-20 | discussion |  |  |  |  |  | Rel-20 |  | Replaces S1-242344 |  | Endorsed |
| 04 | 10.1 | S1-242344 | Nokia | KV Manifesto for SA1 6G Rel-20 | discussion |  |  |  |  |  | Rel-20 |  | Replaces S1-242032 | Revision of S1-242032. | Revised to S1-242500 |
| 05 | 10.1 | S1-242345 | Nokia | supporting explanations for S1-242344 | discussion |  |  |  |  |  |  |  |  | Revision of S1-242032. | Noted |
| 06 | 10.1 | [**S1-242102**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242102.zip) | Samsung | 6G Study and Key Values | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This paper considers 'application of key values' in the course of 6G stage 1 study - both anticipated difficulties and utility - then suggestion a specific approach. NOTE: There is suggested text for the SID in this document. |  | Noted |
| 07 | 10.1 | [**S1-242192**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242192.zip) | NTT DOCOMO INC.. | Considerations regarding Key Value Sets and their Definitions | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 08 | 10.1 | [**S1-242229**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242229.zip) | Huawei, Deutsche Telekom, Xiaomi | Proposed way forward on Key Values for 6G study in SA1 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Was Revised to S1-242470 | Noted. |
| 08r | 10.1 | S1-242470 | Huawei, Deutsche Telekom, Xiaomi | Proposed way forward on Key Values for 6G study in SA1 | discussion |  |  |  |  |  | Rel-20 |  | Replaces S1-242229 |  | Withdrawn |
| 09 | 10.1 | [**S1-242230**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242230.zip) | Huawei, Deutsche Telekom, Xiaomi | on usage of Key Value and Key Value Indicators in 3GPP | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 10 | 10.1 | [**S1-242269**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242269.zip) | NTIA | Discussion on KVs/KVIs | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | NTIA contributions to 6G KV/KVI discussion in SA1 |  | Noted |
| 11 | 10.1 | [**S1-242286**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242286.zip) | Beijing Xiaomi Electronics | Sustainability KV for SA1 6G Study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 01 | 10.2 | [**S1-242100**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242100.zip) | Samsung | 6G Migration and Stage 1 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This paper discusses 6G migration aspects and suggests text to add to the TR skeleton and to the 6G SID. There is no general 6G contribution agenda item so it is submitted to AI 9.  Samsung proposes to have a section “X.Y General Section” with:  Editor's Note: Agreements concerning migration, backwards compatibility, supported scenarios and essential features can be added in sub-clauses of this clause.  Many stage 1 specifications are carried forward that should be stopped  Samsung: the set of specifications that SA1 maintains shall be cleaned-up as to provide a clean starting point for 6G. | Moved from 9 | Noted |
| 02 | 10.2 | [**S1-242156**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242156.zip) | Apple | 6G work planning proposal for “early agreements” | discussion |  |  |  |  |  |  |  | Is it possible / desirable for SA1 to attempt to make “early agreements” on specific topics?  “Early agreements” refer to any potential requirements that SA1 can agree as an outcome of the 6G study before the study concludes.  The timing for such “early agreements” could be, for example:  by February 2025, so that they may be considered for a potential SA1 presentation to the TSG 6G workshop  by May 2025, so that they may be considered in the SA2 study  If the answer to the 1st question above is ”yes”: what are the topics that SA1 can target to discuss “early agreements”?  Examples are included in the Annex on the last slide  Note: No process defined yet on how SA1 can make “early agreements” | Ericsson: support these ideas. These are not normative requirements, though. These are just studies.  Vodafone: the best way to achieve timely results is to reduce the scope for 6G.  KPN: support Apple’s approach. It is needed to have early results. Also Samsung’s approach of cleaning up the set of specs is needed, but might be time-consuming.  Nokia: also support Apple’s proposal for early conclusions. RAN should be mentioned too, though. Also support Samsung’s view but service and feature-based and not spec-based.  Vivo also support, as InterDigital.  Mediatek: this is too vague. The scope of the 6G is not clear neither. Scope and structure are the key points.  Xiaomi: support the idea but this should not be made at the price of discarding/delaying other topics.  Futurewei: there are also interactions between SA1 and downstream groups, that cannot be excluded.  Sony: SA did not ask for milestones. If only big areas are defined at the time of the workshop, so be it.  Verizon: how to be aligned with RAN expectations? About Samsung’s proposal: it is nice simplification.  Huawei: no extra milestones expected from SA1. Only deadline is March 2026. | Noted |
| 01 | 11.1 | S1-242399 | Session Chair | Satellite drafting report | report |  |  |  |  |  |  |  |  |  | Agreed |
| 02 | 11.1 | S1-242449 | Session Chair | Report Energy Save, FRMCS session | report |  |  |  |  |  |  |  | S1-242423 – S1-242448 are not allocated. | Agreed, so all docs agreed in drafting sessions are now agreed in SA1.  KPN: some documents were actually “merged” and not “noted” – this has been corrected in SA1 chair’s notes (and these notes are aligned to the chair’s notes). | Agreed |
| 03 | 11.1 | S1-242455 | Session Chair | 6G drafting report | report |  |  |  |  |  |  |  |  |  | Noted |
| 04 | 11.1 | S1-242456 | Session Chair | KVI drafting report | report |  |  |  |  |  |  |  |  |  | Agreed |
| 01 | 11.2 | S1-242462 | UIC | FRMCS\_Ph6 Status report | report |  |  |  |  |  |  |  |  |  |  |
| 02 | 11.2 | S1-242463 | Nokia | FS\_EnergyServ\_Ph2 Status report | report |  |  |  |  |  |  |  |  |  |  |
| 03 | 11.2 | S1-242464 | Novamint | FS\_5GSAT\_Ph4 Status report | report |  |  |  |  |  |  |  |  |  |  |
| 04 | 11.2 | S1-242465 | Neutral Editor | FS\_6G Status report | report |  |  |  |  |  |  |  |  |  |  |
| 01 | 2 | S1-242003 | ETSI | Extract of the 3GPP Work Plan for SA1#107 | Work Plan |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 2 | [**S1-242006**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242006.zip) | SA1 Vice Chair | SA1-related topics at SA#104 | report |  |  |  |  |  |  |  |  |  | Noted |
| 03 | 2 | S1-242007 | ETSI | MCC info on CR Rules | other |  |  |  |  |  |  |  |  |  | Noted |
| 04 | 2 | S1-242009 | SA1 Chair & ETSI MCC | Cleaning Rel-18 Stage 1 | other |  |  |  |  |  |  |  |  |  | Noted |
| 05 | 2 | [**S1-242010**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242010.zip) | SA1 Chair | SA1#107 preparation and SA1 planning | other |  |  |  |  |  |  |  |  |  | Noted |
|  | 3 | S1-242336 | 5GMAG | LS on 5G-MAG Work on NTN for Media Distribution: Devices, services, communication mechanisms and deployment models | LS in |  |  |  |  |  |  |  |  |  |  |
| 02 | 3 | [**S1-242175**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242175.zip) | S2-2407219 | LS on Clarifications related to User Identities | LS in |  |  |  |  |  |  |  | TO: | Replied in 2347 | Replied in 2347 |
| 03 | 3 | [**S1-242174**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242174.zip) | S2-2407236 | LS on User Identities and Authentication Architecture | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 04 | 3 | [**S1-242187**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242187.zip) | s3i240476 | Reply LS on User Identities and Authentication Architecture | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 05 | 3 | [**S1-242013**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242013.zip) | Deutsche Telekom AG | Draft Reply LS on Clarifications related to User Identities | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**UIA**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=800050) |  |  | Revised to S1-242297 |
| 06 | 3 | S1-242297 | Deutsche Telekom | Merged LS on User Identities | LS out |  |  |  |  |  |  |  | Rev of 2013 | Revision of S1-242013. | Revised to S1-242299 |
| 07 | 3 | S1-242299 | Deutsche Telekom | Draft Reply LS to SA2 on Clarifications related to User Identities |  |  |  |  |  |  |  |  |  | Revision of S1-242013. Revision of S1-242297. | Revised to S1-242331 |
| 08 | 3 | S1-242331 | Deutsche Telekom | Reply LS on Clarifications related to User Identities |  |  |  |  |  |  |  |  | Replaces S1-242299 | Clean-up needed, CR to be attached | Revised to S1-242347 |
| 09 | 3 | S1-242347 | SA1 | Reply LS to SA2 on Clarifications related to User Identities | LS out |  |  |  |  |  |  |  | Replaces S1-242331 | Revision of S1-242013. Revision of S1-242297. Revision of S1-242299. Revision of S1-242331. Clean up and attachment of the CR | Agreed |
| 10 | 3 | S1-242313 | Deutsche Telekom | Clarification on the privacy requirements, for 22.101 V19.0.0, Cat B | 22.101 | 0595 |  |  |  |  |  |  |  |  | Revised to S1-242332 |
| 11 | 3 | S1-242332 | Deutsche Telekom | Clarification on the privacy requirements, for 22.101 V19.0.0, Cat B | 22.101 | 0595 |  |  |  |  |  |  | Replaces S1-242313.  The CR adds new user privacy related requirements in the following clauses  - 26a.2.3 User Identity Profile and its User Identities  - 26a.2.4 Operator requirements  - 26a.2.5 Privacy requirements | Format issues to be fixed  Apple: last change not required by SA2 LS, this is a different topic that should not be included in this CR. It deals with aspects which are not 3GPP-related, as information stored in the UE (phone book, etc). “The 3GPP system shall” should be replaced by “The 3GPP network shall “.  LG, Interdigital disagree with this last proposal.  Qualcomm: it is indeed a different topic, this can be deleted  Other wording was drafted and agreed while projecting. | Revised to S1-242346 |
| 12 | 3 | S1-242346 | Deutsche Telekom | Clarification on the privacy requirements | CR | 22.101 | 0595 |  |  |  |  |  | Replaces S1-242332 | Revision of S1-242313. Revision of S1-242332. The 3GPP network shall be able to protect the privacy of a user when accessing the 3GPP services from a UE which is shared by multiple users. Note: Privacy protection mechanisms could be UE implementation dependent, but this is out of scope of 3GPP. Update date, counter, list of affected clauses. And accept format changes. | Agreed |
| 13 | 3 | [**S1-242039**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242039.zip) | LG Electronics Inc. | [draft] Reply LS on Clarifications related to User Identities | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | [draft] Reply LS on S2-2407219/S1-242xxx |  | Merged into S1-242297 |
| 14 | 3 | [**S1-242059**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242059.zip) | ZTE | [draft] Reply LS on Clarifications related to User Identities | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Merged into S1-242297 |
| 15 | 3 | [**S1-242166**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242166.zip) | OPPO | Reply to S2-2407219\_FS\_UIA\_ARC\_LS\_to\_SA1 | LS out |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Reply to S2-2407219\_FS\_UIA\_ARC\_LS\_to\_SA1 |  | Merged into S1-242297 |
| 16 | 3 | [**S1-242228**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242228.zip) | Huawei | Clarification related to User Identities | discussion | [**22.101**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=605) |  |  |  |  | [**Rel-16**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=191) |  |  |  | Merged into S1-242297 |
| 17 | 3 | [**S1-242264**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242264.zip) | Qualcomm | Reply LS on User Identities | LS out |  |  |  |  |  |  |  |  |  | Merged into S1-242297 |
| 18 | 3 | [**S1-242096**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242096.zip) | Samsung | Reply LS on Clarifications related to User Identities | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 19 | 3 | [**S1-242097**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242097.zip) | Samsung Electronics GmbH | Responses to questions on UIA | discussion |  |  |  |  |  |  |  | Discusses the draft reply in S1-242096. |  | Noted |
| 20 | 3 | S1-242298 | Qualcomm | CR on User Identities | CR | 22.101 | 0594 |  |  |  |  |  |  | The views are not converging | Noted |
| 22 | 3 | [**S1-242176**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242176.zip) | S2-2407231 | LS on Clarification of requirements for Ambient IoT | LS in |  |  |  |  |  |  |  | SA2 asks 4 questions to SA1 and more to other groups. | Different proposed answers in S1-242011+S1-242218, S1-242058, S1-242167,  S1-242215 and S1-242243. |  |
| 23 | 3 | [**S1-242011**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242011.zip) | Ericsson | [Draft] Reply LS on Clarification of requirements for Ambient IoT | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020055) |  | “All requirements apply to all devices” | Revised to S1-242305 |
| 24 | 3 | S1-242305 | Ericsson | [Draft] Reply LS on Clarification of requirements for Ambient IoT | LS out |  |  |  |  |  | Rel-19 | AmbientIoT | Replaces S1-242011. Also with Huawei, ZTE, China Mobile | Revision of S1-242011. |  |
| 25 | 3 | [**S1-242218**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242218.zip) | Ericsson LM | Clarify that two Ambient IOT requirements are independent of each other | CR | [**22.369**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4232) | 0007 |  | D | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020055) | A missing carriage return is inserted. This created confusion e.g. in SA2 |  | Agreed |
| 26 | 3 | [**S1-242058**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242058.zip) | ZTE | [draft] Reply LS on Clarification of requirements for Ambient IoT | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Merged into S1-242305 |
| 27 | 3 | [**S1-242167**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242167.zip) | OPPO | Reply to LS on Clarification of requirements for Ambient IoT | LS out |  |  |  |  |  |  |  | Reply to LS on Clarification of requirements for Ambient IoT | Merged in 2305 | Merged |
| 28 | 3 | [**S1-242215**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242215.zip) | China Mobile Com. Corporation | [draft]SA1\_LS-out Reply LS to request clarification of requirements for Ambient IoT | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | S1-242305 |
| 29 | 3 | [**S1-242243**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242243.zip) | Huawei | Reply LS to clarify Ambient IoT requirements | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | S1-242305 |
| 31 | 3 | [**S1-242185**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242185.zip) | SP-241016 | LS on Support for Ambient IoT Security | LS in |  |  |  |  |  |  |  | TO: |  |  |
| 32 | 3 | [**S1-242231**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242231.zip) | Ericsson | Reply LS on Support for Ambient IoT Security | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  |  |
| 33 | 3 | [**S1-242242**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242242.zip) | Huawei | Reply LS to clarify the support for Ambient IoT Security | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Reply LS to clarify the support for Ambient IoT Security |  | Merged into S1-242306 |
| 34 | 3 | [**S1-242283**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242283.zip) | KPN | Discussion paper - support fort Ambient IoT security | discussion |  |  |  |  |  |  |  | This document aims to contribute to the discussions related to the incoming LS S1-242185/SP241016 on Support for Ambient IoT Security. |  | S1-242306 |
| 35 | 3 | [**S1-242193**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242193.zip) | OPPO | Reply to LS on Support for Ambient IoT Security | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Reply to LS on Support for Ambient IoT Security |  | Revised to S1-242306 |
| 36 | 3 | S1-242306 | OPPO | Reply to LS on Clarification of requirements for Ambient IoT | LS out |  |  |  |  |  |  |  | Replaces S1-242167 | Includes S1-242231; S1-242242; S1-242283; S1-242193; S1-242296; S1-242121 and S1-242158 | Revised to S1-242474 |
| 36r | 3 | S1-242474 | OPPO | Reply to LS to SA, SA3 (cc SA2) on Support for Ambient IoT Security | LS out |  |  |  |  |  |  |  | Replaces S1-242306  It is proposed to answer:  SA1 point out all the requirements for Ambient IoT should be fulfilled considering the characteristics of Ambient IoT as defined in TS22.369 clause 4.2., which includes energy harvesting, low complexity, low data rate, life span, communication characteristics, without compromising overall 5G security protection.  Also, the requirements apply to three communication modes defined in TS22.369 clause 4.4, namely Ambient IoT Direct Network Communication, Ambient IoT Indirect Network Communication, and Ambient IoT device to UE direct Communication. | This results from several drafting sessions through the week.  KPN: this LS proves that more work is needed in this area. Some reformatting of the LS is needed (answers appear at odd places).  Qualcomm: it should be avoided to have opinions expressed in an LS without clear corresponding requirements in the SA1 documentation. Some CRs have to be produced as needed to grant the alignment.  Chair: answering only in November would be too late for SA3. Additional online SA1 meeting will have to be set in place if no agreement now.  Mediatek: agree with Qualcomm, so the LS is not agreeable as such, since it introduces requirements which are not in SA1 documentation.  Apple: we offer to draft the corresponding CR  Mediatek: we cannot say that authentication is required  Vodafone: about business model: the LS can simply state that SA1 did not talk about that  Chair: there are many issues here. Even the SA3 questions are understood differently in SA1. SA1 chair is going to talk to SA3 chair to check how to progress.  Ericsson: an LS can be sent to SA to ask for clarifications  Telfonica: the key topics are Business model, and life cycle management. | Revised to S1-242476 |
| 36rr | 3 | S1-242476 | OPPO | Reply to LS to SA, SA3 (cc SA2) on Support for Ambient IoT Security | LS out |  |  |  |  |  |  |  | Replaces S1-242474 |  |  |
| 37 | 3 | S1-242296 | Oppo | Summary of companies’ positions on LS of AIoT security (S1-242185) | Other |  |  |  |  |  |  |  |  |  | Noted |
| 38 | 3 | [**S1-242121**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242121.zip) | Qualcomm India Pvt Ltd | Considerations for AIoT LSs | discussion |  |  |  |  |  |  |  |  |  | S1-242306 |
| 39 | 3 | [**S1-242158**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242158.zip) | Apple | On Ambient IoT clarifications | discussion |  |  |  |  |  |  |  |  |  | S1-242306 |
| 41 | 3 | [**S1-242184**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242184.zip) | SP-241013 | Reply LS on the stage 2 aspects of MINT\_Ph2 | LS in |  |  |  |  |  |  |  | It needs to be clarified that the UE still receives service from IMS in HPLMN and only connectivity from VPLMN. | Related docs: S1-242020; S1-242021; S1-242295 and S1-242266  Answer in 2472 | Replied to |
| 42 | 3 | [**S1-242020**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242020.zip) | China Telecom Corporation Ltd. | [DRAFT] LS on the stage 2 aspects of MINT\_Ph2 | LS out |  |  |  |  |  |  |  |  |  | Revised to S1-242308 |
| 43 | 3 | S1-242308 | China Telecom Corporation Ltd. | [DRAFT] LS on the stage 2 aspects of MINT\_Ph2 | LS out |  |  |  |  |  |  |  | Replaces S1-242020 | Revision of S1-242020.  Clean-up, attach CR | Revised to S1-242472 |
| 43r | 3 | S1-242472 | China Telecom Corporation Ltd. | [DRAFT] LS on the stage 2 aspects of MINT\_Ph2 | LS out |  |  |  |  |  |  |  | Replaces S1-242308 |  | Agreed. |
| 44 | 3 | [**S1-242021**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242021.zip) | China Telecom | Clarifications on IMS provision to disaster inbound roamers | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0792 |  | F | 19.7.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**MINT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=970041) |  |  | Revised to S1-242295 |
| 45 | 3 | S1-242295 | China Telecom | Clarifications on IMS provision to disaster inbound roamers | CR | 22.261 | 0792 | 1 | F | 19.7.0 | Rel-19 | MINT\_Ph2 | Replaces S1-242021 | Changes on changes, “still” to be removed | Revised to S1-242307 |
| 46 | 3 | S1-242307 | OPPO | Reply to LS on Support for Ambient IoT Security | LS out |  |  |  |  |  | Rel-19 |  | Replaces S1-242193 | Revision of S1-242021. Revision of S1-242295. NOTE: In the above scenario, voice call service is provided by IMS in HPLMN. Remove changes on changes. And update cover page (rev counted, date). | Agreed |
| 47 | 3 | [**S1-242266**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242266.zip) | Qualcomm | CR to clarify MINT Requirements | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0810 |  | F | 19.7.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**MINT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=970041) |  |  | Noted |
| 49 | 3 | S1-242291 | S2-2403670 (=S1-241205) | LS on traffic steering and/or switching of user data across two 3GPP access networks | LS in |  |  |  |  |  |  |  | TO:  Re-submission of S1-241205 | Postponed from SA1#106 |  |
| 50 | 3 | [**S1-242265**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242265.zip) | Qualcomm | Reply LS on DualSteer NW selection | LS out |  |  |  |  |  |  |  |  |  | Revised to S1-242309 |
| 51 | 3 | S1-242309 | Qualcomm | Reply LS on DualSteer NW selection | LS out |  |  |  |  |  |  |  | Replaces S1-242265 | Revision of S1-242265.  Huawei: Rel-19 has no requirement on network selection  Deutsche Telekom, Qualcomm: the alternative is to repeat the entire discussions in the LS  Chair: there is no consensus about whether there is requirement or not. Some companies think there is one, some think that there is none. So no answer can be sent out at this stage. | Revised to S1-242473 |
| 51r | 3 | S1-242473 | Qualcomm | Reply LS on DualSteer NW selection | LS out |  |  |  |  |  |  |  | Replaces S1-242309 |  |  |
| 53 | 3 | [**S1-242186**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242186.zip) | IALA Liaison note to 3GPP TSGs on the Update of IALA Task for Marine AtoN over IMT-2030 C80-12.5.1 | LIAISON NOTE on the Update of IALA Task for Marine AtoN over IMT-2030 | LS in |  |  |  |  |  |  |  | TO: |  |  |
| 54 | 3 | S1-242022 | SyncTechno Inc. | [Draft] Reply LS on the update of IALA task for Marine AtoN over IMT-2030 | LS out |  |  |  |  |  |  |  | It's the drafted LS-out on Liaison NOTE from IALA on the update of IALA task for Marine AtoN over IMT-2030. |  | Revised to S1-242310 |
| 55 | 3 | S1-242310 | SyncTechno Inc. | [Draft] Reply LS to SA on the update of IALA task for Marine AtoN over IMT-2030 | LS out |  |  |  |  |  |  |  | Replaces S1-242022 | Revision of S1-242022.  Chair: for procedural matters, this LS has to go through SA first.  Clean-up needed.  The LS has to reflect the fact that the 6G SID is not yet approved. | Revised to S1-242475 |
| 55r | 3 | S1-242475 | SyncTechno Inc. | [Draft] Reply LS to SA on the update of IALA task for Marine AtoN over IMT-2030 | LS out |  |  |  |  |  |  |  | Replaces S1-242310 |  |  |
| 57 | 3 | [**S1-242182**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242182.zip) | RP-241686 | LS on Avoiding Cross-TSG TEI | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 59 | 3 | [**S1-242188**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242188.zip) | ITU SG2-LS105-TD468R2 | LS/r on initiation of new work item ITU-T Q.IEM\_arch\_req and ITU-T Q.Req\_Frame\_RRDN (reply to SG11-LS173) | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 60 | 3 | [**S1-242171**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242171.zip) | ITU sp17-sg11-oLS-00173 | LS on initiation of new work item ITU-T Q.IEM\_arch\_req ""Reference architecture and signalling requirements for interactive emergency messaging through mobile network"" [to ITU-T SG2, 3GPP SA1, 3GPP SA2, ETSI-EMTEL, GSMA] | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 61 | 3 | [**S1-242178**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242178.zip) | S5-243431 | LS on Updated terminology for energy savings states | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 62 | 3 | [**S1-242179**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242179.zip) | SP-240948 | Reply LS on Updated AECC Publications for Future Connected Vehicle Services | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 63 | 3 | [**S1-242172**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242172.zip) | S6-242764 | LS reply on updated AECC Publications for Future Connected Vehicle Services | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 64 | 3 | [**S1-242173**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242173.zip) | C1-243686 | Reply LS on 5GS missing CBC support for shared networks | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 65 | 3 | [**S1-242177**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242177.zip) | S5-243069 | Reply LS from SA5 on Updated AECC Publications for Future Connected Vehicle Services | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 66 | 3 | [**S1-242180**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242180.zip) | SP-240973 | Reply LS on alignment of eCall over IMS with CEN | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 67 | 3 | [**S1-242181**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242181.zip) | SP-241014 | Reply LS on data plane control by roaming hubs | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 68 | 3 | [**S1-242183**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242183.zip) | ITU sp17-fg-mv-oLS-00051 | LS on Results of the seventh and final meeting of the FG-MV | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 69 | 3 | S1-242012 | Ericsson | [Draft] Reply LS on Clarifications related to User Identities | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**UIA**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=800050) |  |  | Withdrawn |
|  | 4 | S1-242348 | Novamint | Clarification and alignment on NTN reception of TV transport services via MBS broadcast without authentication | CR | 22.101 | 0596 |  | F |  | Rel-18 | TEI18; 5MBS\_Ph2 | Clarification is added to the requirement on reception of TV transport services via MBS broadcast without authentication: | Ericsson: concern with the approach to transform a revision to a SID into a CR using TEI during the meeting.  Apple: this is a significant change. That should be category B, and it is late to introduce this in Rel-18 in SA1.  Huawei: this CR is actually an alignment with an existing solution in SA2. Support this approach.  Nokia: also support this approach. This is the 3rd meeting that this is proposed, and this is a compromise found with several involved companies.  Samsung: support this approach.  Ericsson: after checking with RAN colleague, it does not seem to be an alignment  Apple: some say it is an alignment, some not. There is no clear view on what is going on. |  |
|  | 4 | S1-242349 | Novamint | Clarification and alignment on NTN reception of TV transport services via MBS broadcast without authentication | CR | 22.101 | 0597 |  | A |  | Rel-19 | TEI18; 5MBS\_Ph2 |  |  |  |
| 02 | 4 | [**S1-242249**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242249.zip) | Union Inter. Chemins de Fer | Revised SID: Study on FRMCS Phase 6 | SID revised |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_FRMCS\_Ph6**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030043) | - Update of the scope of the SID - Timeline extension | Ericsson, Nokia: not a good approach to update the SID with new use cases. Disagree with the last one here (“Voice arbitration use cases “) | Revised to S1-242311 |
| 03 | 4 | S1-242311 | Union Inter. Chemins de Fer | Revised SID: Study on FRMCS Phase 6 | SID revised |  |  |  |  |  | Rel-20 | FS\_FRMCS\_Ph6 | Replaces S1-242249  A new use case is added. | Revision of S1-242249.  Chair: the use cases should not be listed in the SID. | Revised to S1-242477 |
| 03r | 4 | S1-242477 | Union Inter. Chemins de Fer | Revised SID: Study on FRMCS Phase 6 | SID revised |  |  |  |  |  | Rel-20 | FS\_FRMCS\_Ph6 | Replaces S1-242311 |  |  |
| 04 | 4 | [**S1-242065**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242065.zip) | Novamint, SES, EBU, Thales, ESA, Inmarsat, Viasat, EchoStar, JSAT, TNO, Gilat, Airbus, Dish Network, IIT Bombay, ETRI, ISSDU | Revised SID: Study on satellite access - Phase 4 | SID revised |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | Supporting presentation in 2117 | At least Ericsson, Vodafone having concerns with the proposed changed  Novamint: after off-line discussion, no need to revise the SID if two CRs can be agreed in 2348 and mirror in 2349. |  |
| 05 | 4 | [**S1-242117**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242117.zip) | SES S.A., NOVAMINT, Thales, ESA, Inmarsat, Viasat, EchoStar, JSAT, TNO, Gilat, Airbus, Dish Network, IIT Bombay, ETRI, ISSDU, EBU | Motivation for Rel-20 5G Advanced for MBS NTN to revise the Study on Satellite access – Phase 4 | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Supporting presentation for 2065 |  | Noted |
| 07 | 4 | [**S1-242033**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242033.zip) | Nokia, Nokia Shanghai Bell, Telefonica, China Mobile, Huawei, Qualcomm, Ericsson, Vodafone, Telecom Italia, LG Uplus, Orange, Rakuten Mobile, Erillisverkot, KPN, CableLabs, China Unicom, KT Corp., BT, China Telecom, Reliance Jio, Spark NZ, Telenor, SK Telecom, ZTE, DISH Network, MediaTek | Motivations for new SID on assisted user feedback in IMS | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Supporting presentation for 2034 |  | Noted |
| 08 | 4 | [**S1-242034**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242034.zip) | Nokia, Nokia Shanghai Bell, Telefonica, China Mobile, Huawei, Qualcomm, Ericsson, Vodafone, Telecom Italia, LG Uplus, Orange, Rakuten Mobile, Erillisverkot, KPN, CableLabs, China Unicom, KT Corp., BT, China Telecom, Reliance Jio, Spark NZ, Telenor, SK Telecom, ZTE, DISH Network, MediaTek | New SID: Study on assisted user feedback in the IMS | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Samsung, who used to support, does not support anymore. Google , Apple do not support: no necessity, feedback means already exist | Revised to S1-242312 |
| 09 | 4 | S1-242312 | Nokia, Nokia Shanghai Bell, Telefonica, China Mobile, Huawei, Qualcomm, Ericsson, Vodafone, Telecom Italia, LG Uplus, Orange, Rakuten Mobile, Erillisverkot, KPN, CableLabs, China Unicom, KT Corp., BT, China Telecom, Reliance Jio, Spark NZ, Telenor, SK Telecom, ZTE, DISH Network, MediaTek | New SID: Study on assisted user feedback in the IMS | SID new |  |  |  |  |  | Rel-20 |  | Replaces S1-242034 | Revision of S1-242034.  Apple: our problem is the user feedback part, which is the core of the proposal. This is not something that SA1 should be involved with.  Xiaomi: “Enable user feedback opportunities in scope of the study in scenarios involving IMS users of different network operators.” Is unclear. Support Apple in having hesitation.  Samsung: same concerns. About “UE configuring preferences”: this is not achievable by several types of UEs. For the other ones, this is not in SA1’s scope.  Google: also concerns, without blocking. Meaning and implications of “Support the UE to configure preferences related to the handling of user feedback opportunities received from the network” not clear.  Nokia: saying “we do not need this” is not acceptable when there are so many supporting companies.  Motorola: why is the box “don’t know” ticked from the UE if this is so clear?  Nokia: it can be changed to “yes”  Chair: 4 objections, so not agreeable. This being said, the objecting companies should help finding ways forward.  Apple: this is 4 times in SA1 and one time in SA. There is clearly no consensus. | Revised to S1-242478 |
| 09r | 4 | S1-242478 | Nokia, Nokia Shanghai Bell, Telefonica, China Mobile, Huawei, Qualcomm, Ericsson, Vodafone, Telecom Italia, LG Uplus, Orange, Rakuten Mobile, Erillisverkot, KPN, CableLabs, China Unicom, KT Corp., BT, China Telecom, Reliance Jio, Spark NZ, Telenor, SK Telecom, ZTE, DISH Network, MediaTek | New SID: Study on assisted user feedback in the IMS | SID new |  |  |  |  |  | Rel-20 |  | Replaces S1-242312 |  |  |
| 10 | 4 | [**S1-242035**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242035.zip) | Nokia | New Use case on assisted user feedback for IMS services | other |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 13 | 4 | [**S1-242014**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242014.zip) | Deutsche Telekom AG | New WID on registration to an additional network | WID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 14 | 4 | [**S1-242015**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242015.zip) | Deutsche Telekom AG, Qualcomm, T-Mobile US, KDDI | Requirements on registration to an additional network for DualSteer | CR | [**22.011**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0362 |  | B | 19.3.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | This CR comes with the miniWID in 2014. It adds the missing requirements on selection of an additional network for DualSteer. | Meditaek: This is a technical solution, not a requirement. And it is an improvement of a not yet stable functionality.  Chair: stage 1 and stage 2 shall not be mixed up. Arguments like “Stage 2 is not ready yet for the previous phase of the functionality” should not be used in SA1.  Vivo has concerns too.  Lenovo supports.  Huawei: SA2 is working on a network-controlled solution that might cover this problem. | Revised to S1-242315 |
| 15 | 4 | S1-242315 | Deutsche Telekom AG, Qualcomm, T-Mobile US, KDDI | Requirements on registration to an additional network for DualSteer | CR | 22.011 | 0362 | 1 | B | 19.3.0 | Rel-20 | DUMMY | Replaces S1-242015.  The CR adds definitions and text to describe Network selection for DualSteer operation. | Revision of S1-242015.  Oppo,: not ready to approve at this meeting.  Huawei: this might have negative impact on battery life.  NEC: to be added as “supporting company”  Chair: the first question to be answered for next times is: is there a problem? (before trying to solve it) | Noted |
| 17 | 4 | [**S1-242049**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242049.zip) | China Telecom Corporation Ltd. | New WID on efficient signaling for N3GPP access | WID new |  |  |  |  |  |  |  | Stage 1 specifications shall be updated to support the transmission of data traffic over N3GPP access and the associated signaling over 3GPP access for UEs with multiple accesses to 5G. | Need 4 supporting companies | Revised to S1-242317 |
| 18 | 4 | S1-242317 | China Telecom Corporation Ltd. | New WID on efficient signaling for N3GPP access | WID new |  |  |  |  |  |  |  | Replaces S1-242049 | Need 4 supporting companies Revision of S1-242049. | Noted |
| 19 | 4 | [**S1-242050**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242050.zip) | China Telecom Corporation Ltd. | Discussion on efficient signaling for N3GPP access | discussion |  |  |  |  |  |  |  |  | Samsung. T-Mobile, Motorola, Nolia, MITRE: this is SA2 decision/topic, not SA1 | Revised to S1-242316 |
| 20 | 4 | S1-242316 | China Telecom Corporation Ltd. | Discussion on efficient signaling for N3GPP access | discussion |  |  |  |  |  |  |  | Replaces S1-242050 | Revision of S1-242050. | Noted |
| 21 | 4 | [**S1-242051**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242051.zip) | China Telecom Corporation Ltd. | CR on efficient signaling for N3GPP access | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0793 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) |  |  | Revised to S1-242318 |
| 22 | 4 | S1-242318 | China Telecom Corporation Ltd. | CR on efficient signaling for N3GPP access | CR | 22.261 | 0793 | 1 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242051 | Revision of S1-242051. | Noted |
| 24r | 4 | S1-242479 | China Unicom, Rakuten Mobile, SK Telecom, LG Uplus, CATT, China Telecom, OPPO, Xiaomi, Novamint, EchoStar | Network Sharing on Satellite Access Network | WID new |  |  |  |  |  | Rel-20 |  | Replaces S1-242112 |  |  |
| 24 | 4 | [**S1-242112**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242112.zip) | China Unicom, Rakuten Mobile, SK Telecom, LG Uplus, CATT, China Telecom, OPPO, Xiaomi, Novamint, EchoStar | Network Sharing on Satellite Access Network | WID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Mini-WlD NetShare Ph2 SAT, This work item investigate new requirements related to network sharing scenarios, in the cases of sharing satellite access network. | Clean-up the “supporting company” to remove the question marks.  Apple: “no” to UICC and UE | Revised to S1-242479 |
| 25 | 4 | [**S1-242074**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242074.zip) | CATT, China Unicom, LG Uplus | New requirements for satellite access network sharing via Indirect Network Sharing | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0795 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | This CR introduces new requirements to support the use case of satellite based NG-RAN sharing via Indirect Network Sharing. | Apple: are there any UE impact? | Revised to S1-242319 |
| 26r | 4 | S1-242480 | CATT, China Unicom, LG Uplus | New requirements for satellite access network sharing via Indirect Network Sharing | CR | 22.261 | 0795 | 2 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242319 |  |  |
| 26 | 4 | S1-242319 | CATT, China Unicom, LG Uplus | New requirements for satellite access network sharing via Indirect Network Sharing | CR | 22.261 | 0795 | 1 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242074 | Revision of S1-242074.  Nokia: Several typos. Not clear about the “redirect” part. | Revised to S1-242480 |
| 28r | 4 | S1-242481 | China Unicom, Rakuten Mobile, SK Telecom, LG Uplus, CATT, China Telecom, OPPO, Xiaomi, Novamint | Network Sharing Phase II on Disaster Condition | WID new |  |  |  |  |  | Rel-20 |  | Replaces S1-242115 |  |  |
| 28 | 4 | [**S1-242115**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242115.zip) | China Unicom, Rakuten Mobile, SK Telecom, LG Uplus, CATT, China Telecom, OPPO, Xiaomi, Novamint | Network Sharing Phase II on Disaster Condition | WID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Mini-WlD NetShare Ph2 on disaster condition. This work item should investigate new requirements related to network sharing scenarios, considering the disaster condition | Qualcomm: tick boxes not correctly ticked. | Revised to S1-242481 |
| 29 | 4 | [**S1-242164**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242164.zip) | China Unicom, ZTE, OPPO, SK Telecom | 22.261CR New features of NetShare for disaster condition | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0801 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | 22.261CR of mini WID NetShare disaster[S1-242115]. The CR intends to further explore the applicability of NetShare in disaster scenarios, | Apple: same question on UE impact. | Revised to S1-242320 |
| 30r | 4 | S1-242482 | China Unicom, ZTE, OPPO, SK Telecom | 22.261CR New features of NetShare for disaster condition | CR | 22.261 | 0801 | 2 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242320 |  |  |
| 30 | 4 | S1-242320 | China Unicom, ZTE, OPPO, SK Telecom | 22.261CR New features of NetShare for disaster condition | CR | 22.261 | 0801 | 1 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242164  “5G system” has been changed to “5G network”. | Revision of S1-242164. | Revised to S1-242482 |
| 32r | 4 | S1-242484 | ZTE Corporation, vivo, AsianInfo | MiniWID on combined QoS configuration and monitoring | WID new |  |  |  |  |  |  |  | Replaces S1-242122 |  |  |
| 32 | 4 | [**S1-242122**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242122.zip) | ZTE Corporation, vivo, AsianInfo | MiniWID on combined QoS configuration and monitoring | WID new |  |  |  |  |  |  |  |  | Need 4 supporting companies | Revised to S1-242484 |
| 33 | 4 | [**S1-242123**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242123.zip) | ZTE Corporation, vivo, AsianInfo | CR for MiniWID on combined QoS configuration and monitoring | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0797 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) |  |  | Revised to S1-242321 |
| 34r | 4 | S1-242483 | ZTE Corporation, vivo, AsianInfo | CR for MiniWID on combined QoS configuration and monitoring | CR | 22.261 | 0797 | 2 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242321 |  |  |
| 34 | 4 | S1-242321 | ZTE Corporation, vivo, AsianInfo | CR for MiniWID on combined QoS configuration and monitoring | CR | 22.261 | 0797 | 1 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242123 | Revision of S1-242123.  Apple: UE impacts or not? In other words: the requirements are for the “3GPP System” or for the “3GPP network”?  Interdigital: against the argument that “this is not part of 3GPP”: there might be some impact on SA5 and on SA6.  Nokia: even so, some parts of the CR are clearly outside of 3GPP scope. | Revised to S1-242483 |
| 36 | 4 | [**S1-242142**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242142.zip) | CATT, China Unicom, China Telecom, KPN, AT&T, AsiaInfo, Novamint, vivo, Honor | new WID on VMR Phase3 | WID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  |  |
| 37 | 4 | [**S1-242143**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242143.zip) | CATT | New requirements for VMR enhancement | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0799 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | This CR introduces new requirements to address additional requirements about QoS management and efficient traffic delivery when vehicle-mounted relays using backhaul links with differentiated characteristics. | Apple: are there any UE impact? | Revised to S1-242322 |
| 38r | 4 | S1-242485 | CATT | New requirements for VMR enhancement | CR | 22.261 | 0799 | 2 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242322 |  |  |
| 38 | 4 | S1-242322 | CATT | New requirements for VMR enhancement | CR | 22.261 | 0799 | 1 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242143 | Revision of S1-242143.  Apple: “network” and not “system” | Revised to S1-242485 |
| 40 | 4 | [**S1-242144**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242144.zip) | China Unicom, China Telecom | New WID on Multi-network Interoperability Enhancement | WID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Change acronym. Proposed acronym: Interop\_improv | Noted |
| 41 | 4 | [**S1-242145**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242145.zip) | China Unicom, China Telecom, Huawei | Updating the requirements on support of UE of 5G NSA network accessing and using 5G services in 5G SA network | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0800 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | This CR updates service requirements to enable the support of 5G subscribers of NSA network accessing and using 5G services in SA networks. | Several concerns/requests for clarifications. | Revised to S1-242323 |
| 42 | 4 | S1-242323 | China Unicom, China Telecom, Huawei | Updating the requirements on support of UE of 5G NSA network accessing and using 5G services in 5G SA network | CR | 22.261 | 0800 | 1 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242145 | Revision of S1-242145.  CATT: this is not a corner case and should be  Qualcomm, Ericsosn, Mediatek: still no support | Noted |
| 44 | 4 | [**S1-242196**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242196.zip) | CATT, China Unicom, AsiaInfo, Honor | new WID on Supporting Service Continuity of Positioning Services for a MUSIM UE | WID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 45 | 4 | [**S1-242197**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242197.zip) | CATT | New requirements to support service continuity of positioning service for MUSIM UE | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0803 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | This CR introduces new requirements to support service continuity of positioning services for MUSIM UE, to avoid the unexpected interruption of positioning service when the active USIM swaps. | Samsung, Apple, Ericsson: “continuity of 5G positioning services” is not clear.  MCC: incorrect styles used  Was Revised to S1-242324 | Noted. |
| 46 | 4 | S1-242324 | CATT | New requirements to support service continuity of positioning service for MUSIM UE | CR | 22.261 | 0803 | 1 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242197 | Revision of S1-242197. | Withdrawn |
| 48r | 4 | S1-242486 | China Telecom | New WID on FNRG supporting 5GLAN type services | WID new |  |  |  |  |  | Rel-20 |  | Replaces S1-242203 |  |  |
| 48 | 4 | [**S1-242203**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242203.zip) | China Telecom | New WID on FNRG supporting 5GLAN type services | WID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Need 4 supporting companies. | Revised to S1-242486 |
| 49 | 4 | [**S1-242204**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242204.zip) | China Telecom | 22261CR-FNRG\_5GLAN | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0804 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) |  | Merging might be possible with China Unicom in 2206 | Revised to S1-242325 |
| 50 | 4 | S1-242325 | China Telecom | 22261CR-FNRG\_5GLAN | CR | 22.261 | 0804 | 1 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242204 | Revision of S1-242204.  Nokia: still objecting: it is not clear what the requirement is. There is 5GLAN, which has been specified for years. What is missing is not clear. | Open |
| 51 | 4 | [**S1-242205**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242205.zip) | China Telecom | Discussion paper on FN-RG supporting 5G LAN-type service | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 53r | 4 | S1-242488 | China Unicom, Huawei, Xiaomi, KPN, AsiaInfo, CATT, China Mobile, China Telecom, CableLabs, InterDigital, ICS | Enhanced 5G Resident Phase II | WID new |  |  |  |  |  |  |  | Replaces S1-242105 |  |  |
| 53 | 4 | [**S1-242105**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242105.zip) | China Unicom, Huawei, Xiaomi, KPN, AsiaInfo, CATT, China Mobile, China Telecom, CableLabs, InterDigital, ICS | Enhanced 5G Resident Phase II | WID new |  |  |  |  |  |  |  | mini WID Resident Ph2, to add features for requirements about evolved Residential Gateway. | Clean-up for supporting companies | Revised to S1-242488 |
| 54 | 4 | [**S1-242206**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242206.zip) | China Unicom, Huawei, InterDigital, ICS, China Mobile | Clarifying the support of eRG without a USIM | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0805 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | CR of mini-WiD Resident Ph2[S1-242105], to add features for requirements about evolved ResidentialGateway. | Nokia: concerns about changing the definition of eRG, since this might impact the existing requirements.  Idemia: at the minimum, the explanations of what is intended to be done should be improved.  Apple: the requirement is on the 5G Network and not on the 5G System since there is no impact on the UE  Chair: it might be merged with the China Telecom proposal in 2204 | Revised to S1-242326 |
| 55r | 4 | S1-242487 | China Unicom, Huawei, InterDigital, ICS, China Mobile | Clarifying the support of eRG without a USIM | CR | 22.261 | 0805 | 2 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242326 |  |  |
| 55 | 4 | S1-242326 | China Unicom, Huawei, InterDigital, ICS, China Mobile | Clarifying the support of eRG without a USIM | CR | 22.261 | 0805 | 1 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242206 | Revision of S1-242206.  Thales: | Revised to S1-242487 |
| 57r | 4 | S1-242489 | China Mobile Com. Corporation | New WID on enhancement on VN information and capability exposure | WID new |  |  |  |  |  | Rel-20 |  | Replaces S1-242216 |  |  |
| 57 | 4 | [**S1-242216**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242216.zip) | China Mobile Com. Corporation | New WID on enhancement on VN information and capability exposure | WID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Need 4 supporting companies. Change acronym. Proposed acronym: VNExposure  Several typos.  Huawei support | Revised to S1-242489 |
| 58 | 4 | [**S1-242217**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242217.zip) | China Mobile Com. Corporation | DP on new nimiWID Enhancement on VN information exposure | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 59 | 4 | [**S1-242219**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242219.zip) | China Mobile Com. Corporation | CR on Add new service requirements for exposing VN information and capability to authorized third party | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0806 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | This CR adds service requirements for VN information and capabilities to authorized third party. | Typo in the proposed new text.  Verizon: business model unclear | Revised to S1-242327 |
| 60r | 4 | S1-242490 | China Mobile Com. Corporation | CR on Add new service requirements for exposing VN information and capability to authorized third party | CR | 22.261 | 0806 | 2 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242327 |  |  |
| 60 | 4 | S1-242327 | China Mobile Com. Corporation | CR on Add new service requirements for exposing VN information and capability to authorized third party | CR | 22.261 | 0806 | 1 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242219 | Revision of S1-242219. | Revised to S1-242490 |
| 62 | 4 | [**S1-242234**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242234.zip) | NEC | New WID: Enhancement of Upper Layer Traffic Steering and Switching over two 3GPP Access Networks | WID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Modify acronym. Need 4 supporting companies | Revised to S1-242471 |
| 62r | 4 | S1-242471 | NEC | New WID: Enhancement of Upper Layer Traffic Steering and Switching over two 3GPP Access Networks | WID new |  |  |  |  |  | Rel-20 |  | Replaces S1-242234 |  |  |
| 63 | 4 | [**S1-242233**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242233.zip) | NEC | Motivation for enhancing Upper Layer Traffic Steering and Switching over two 3GPP Access Networks | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 64 | 4 | [**S1-242241**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242241.zip) | NEC | Requirements for Enhancement of Upper Layer Traffic Steering and Switching over two 3GPP Access Networks | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0809 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Traffic steering and switching over two 3GPP access is extended to the cases with SNPNs. Home network can be SNPN or HPLMN. | CR | Revised to S1-242329 |
| 65 | 4 | S1-242329 | NEC | Requirements for Enhancement of Upper Layer Traffic Steering and Switching over two 3GPP Access Networks | CR | 22.261 | 0809 | 1 | B | 19.7.0 | Rel-20 | DUMMY | Replaces S1-242241 | Revision of S1-242241. |  |
| 66 | 4 | [**S1-242137**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242137.zip) | China Unicom, Huawei, InterDigital, ICS | Clarifying the support of eRG without a USlM | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0798 |  | B | 19.7.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | CR of mini-WlD Resident Ph2[S1-242105], to add features for requirements about evolved Residential Gateway. |  | Withdrawn |
| 01 | 5 | [**S1-242053**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242053.zip) | CATT | Correction of editoral errors in punctuation mark and format | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0794 |  | F | 19.7.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**NetShare**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000029) |  | It should be Cat D  Not only editorial corrections are proposed. | Revised to S1-242337 |
| 02 | 5 | S1-242337 | CATT | Correction of editoral errors in punctuation mark and format | CR | 22.261 | 0794 | 1 | F | 19.7.0 | Rel-19 | NetShare | Replaces S1-242053 | It should be Cat D Revision of S1-242053. |  |
| 03 | 5 | [**S1-242093**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242093.zip) | ZTE | Addrssing editoral errors | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0796 |  | D | 19.7.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**5GSAT\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000024) |  | No highlight should be used. | Revised to S1-242338 |
| 04 | 5 | S1-242338 | ZTE | Addrssing editoral errors | CR | 22.261 | 0796 | 1 | D | 19.7.0 | Rel-19 | 5GSAT\_Ph3 | Replaces S1-242093 | Revision of S1-242093. | Agreed |
| 05 | 5 | [**S1-242222**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242222.zip) | Huawei | Discussion on the terminology alignment in TS 22.261 | discussion | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | See actual CRs. | Noted |
| 06 | 5 | [**S1-242223**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242223.zip) | Huawei | Quality improvement – align the terms 5G and 3GPP | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0807 |  | F | 19.7.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**SMARTER\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=790001) | The CR replaces the term “3GPP system” with “5G system”. | CR0807R- Cat F Is this really Cat F?  Deutsche Telekom: “3GPP system” has been used for long, is it logical to change it at this time?  Huawei: OK for Noted | Noted |
| 07 | 5 | [**S1-242226**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242226.zip) | Huawei | Quality improvement – align the terms for service exposure related requirements | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0808 |  | F | 19.7.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**SMARTER\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=790001) | The CR replaces the term “API” with “means”. | CR0808R- Cat F Is this really Cat F?  Samsung: it has to be done on a case by case basis.  Deutsche Telekom: “API” is more specific than “means”  Siemens: also think it cannot be done as a general replacement. | Noted |
| 08 | 5 | [**S1-242248**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242248.zip) | Huawei | Editorial CR-separate unrelated requirements | CR | [**22.369**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4232) | 0008 |  | D | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1020030) |  | CR0008R- Cat D  Already covered in Ericsson’s doc | Noted |
| 01r | 6.1 | S1-242492 | Ericsson | Location services user plane protocol and 3GPP PS data off | CR | 22.011 | 0363 | 1 | F | 19.3.0 | Rel-19 | TEI19 | Replaces S1-242221 |  |  |
| 01 | 6.1 | [**S1-242221**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242221.zip) | Ericsson | Location services user plane protocol and 3GPP PS data off | CR | [**22.011**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0363 |  | F | 19.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**TEI19**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=980130) | HPLMN operator can configure the location services user plane protocol (LCS-UPP) to be part of the 3GPP PS data off exempt services. |  | Revised to S1-242492 |
| 02 | 6.1 | [**S1-242260**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242260.zip) | Union Inter. Chemins de Fer | Enhancement of interworking with GSM-R using Ad hoc Group Calls | CR | [**22.179**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=623) | 0080 |  | A | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FRMCS\_Ph5**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) | Addition of MCX Ad hoc Group Calls for interworking with GSM-R | This cannot be a mirror. Wrong WI Code?  Nokia: there is no need for this CR. It is not precluded | Revised to S1-242339 |
| 03 | 6.1 | S1-242339 | Union Inter. Chemins de Fer | Enhancement of interworking with GSM-R using Ad hoc Group Calls | CR | 22.179 | 0080 | 1 | A | 19.2.0 | Rel-19 | FRMCS\_Ph5 | Replaces S1-242260 | Revision of S1-242260. | Agreed |
| 04 | 6.1 | [**S1-242261**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242261.zip) | Union Inter. Chemins de Fer | Enhancement of interworking with GSM-R using Ad hoc Group Calls | CR | [**22.179**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=623) | 0081 |  | F | 19.2.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FRMCS\_Ph5**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) | Addition of MCX Ad hoc Group Calls for interworking with GSM-R | This must be the mirror | Revised to S1-242340 |
| 05 | 6.1 | S1-242340 | Union Inter. Chemins de Fer | Enhancement of interworking with GSM-R using Ad hoc Group Calls | CR | 22.179 | 0081 | 1 | F | 19.2.0 | Rel-20 | FRMCS\_Ph5 | Replaces S1-242261 | Revision of S1-242261.  Wrong acronym  No Rel-20 version of the spec yet, so not needed | Noted |
| 06 | 6.1 | [**S1-242285**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242285.zip) | Union Inter. Chemins de Fer | Editorial correction: Delete R-6.15.6.2-004a from chapter 6.7.3 | CR | [**22.280**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0172 |  | D | 19.5.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FRMCS\_Ph5**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) | A duplicated requirement in another section is proposed to be deleted. | Not category D. | Revised to S1-242341 |
| 07r | 6.1 | S1-242494 | Union Inter. Chemins de Fer | Editorial correction: Delete R-6.15.6.2-004a from chapter 6.7.3 | CR | 22.280 | 0172 | 2 | D | 19.5.0 | Rel-19 | FRMCS\_Ph5 | Replaces S1-242341 |  |  |
| 07 | 6.1 | S1-242341 | Union Inter. Chemins de Fer | Editorial correction: Delete R-6.15.6.2-004a from chapter 6.7.3 | CR | 22.280 | 0172 | 1 | D | 19.5.0 | Rel-19 | FRMCS\_Ph5 | Replaces S1-242285 | Revision of S1-242285.  Should be cat F | Revised to S1-242494 |
| 08 | 6.1 | [**S1-242259**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242259.zip) | Union Inter. Chemins de Fer | Enhancement of interworking with GSM-R using Ad hoc Group Calls | CR | [**22.179**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=623) | 0079 |  | A | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FRMCS\_Ph5**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) | Addition of MCX Ad hoc Group Communication feature in the interworking with GSM-R |  | Withdrawn |
| 01r | 6.2 | S1-242493 | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | MPS Subscription Alignment | CR | 22.153 | 0063 | 1 | F | 17.3.1 | Rel-17 | MPS2 | Replaces S1-242136 |  | Agreed. |
| 01 | 6.2 | [**S1-242136**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242136.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | MPS Subscription Alignment | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0063 |  | F | 17.3.1 | [**Rel-17**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**MPS2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=840046) | Text changes to cover the use of network provided information of the UE subscription for MPS to align with stage 2/3 features | This is just an alignment with Stages 2 and 3, so there is no issue to correct old Releases.  Ericsson: is it a strict alignment with Stages 2 and 3?  Peraton: this is aligned with Stage 3, not sure about Stage 2. | Revised to S1-242493 |
| 02r | 6.2 | S1-242495 | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | MPS Subscription Alignment | CR | 22.153 | 0064 | 1 | A | 18.2.0 | Rel-18 | MPS2 | Replaces S1-242138 |  | Agreed. |
| 02 | 6.2 | [**S1-242138**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242138.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | MPS Subscription Alignment | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0064 |  | A | 18.2.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**MPS2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=840046) | Text changes to cover the use of network provided information of the UE subscription for MPS to align with stage 2/3 features. |  | Revised to S1-242495 |
| 03r | 6.2 | S1-242496 | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | MPS Subscription Alignment | CR | 22.153 | 0065 | 1 | A | 19.1.0 | Rel-19 | MPS2 | Replaces S1-242139 |  | Agreed. |
| 03 | 6.2 | [**S1-242139**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242139.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | MPS Subscription Alignment | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0065 |  | A | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**MPS2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=840046) | Text changes to cover the use of network provided information of the UE subscription for MPS to align with stage 2/3 features. |  | Revised to S1-242496 |
| 04 | 6.2 | [**S1-242148**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242148.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | MPS Resumption Alignment | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0066 |  | F | 17.3.1 | [**Rel-17**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**MPS2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=840046) | Addition of a requirement to explicitly cover resumption of MPS sessions for alignment with stage 2/3. | Ericsson: it does not seem to be strict alignment. If Stages 2 and 3 need to be changed, then it is not alignment anymore.  Peraton: this is aligned with Stage 3, not sure about Stage 2. | Noted |
| 05 | 6.2 | [**S1-242149**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242149.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | MPS Resumption Alignment | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0067 |  | A | 18.2.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**MPS2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=840046) | Addition of a requirement to explicitly cover resumption of MPS sessions for alignment with stage 2/3. |  | Noted |
| 06 | 6.2 | [**S1-242150**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242150.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Alignment of Resumption | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0068 |  | A | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**MPS2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=840046) | Addition of a requirement to explicitly cover resumption of MPS sessions for alignment with stage 2/3. |  | Noted |
| 07 | 6.2 | [**S1-242168**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242168.zip) | OPPO | TS22.261\_CR \_Updating AMMT requirements based on the progress of downstream group | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0802 |  | F | 18.14.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**AIML\_MT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920030) | Updating AMMT requirements based on the progress of downstream group | Wrong WI code  Chair: the Rel-19 version of the spec already exists so they will stay in Rel-19 | Revised to S1-242342 |
| 08 | 6.2 | S1-242342 | OPPO | TS22.261\_CR \_Updating AMMT requirements based on the progress of downstream group | CR | 22.261 | 0802 | 1 | F | 18.14.0 | Rel-18 | AIML\_MT | Replaces S1-242168 | Wrong WI code Revision of S1-242168. |  |
| 09 | 6.2 | [**S1-242169**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242169.zip) | OPPO (chongqing) Intelligence | Discussion on Rel-18 AIML requirements clean-up | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This contribution provides a proposal clean up to R18 AIML requirements which is not addressed by stage-2 or stage-3. | See corresponding CR in 2168 | Noted |
| 01 | 6.3 | [**S1-242151**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242151.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Editorial Correction | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0069 |  | D | 18.2.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**MPS\_WLAN**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=940031) | Deletion of ‘NSWO” in the list of abbreviations, since it is not used. |  | Agreed |
| 02 | 6.3 | [**S1-242152**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242152.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Editorial Correction | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0070 |  | A | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**MPS\_WLAN**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=940031) | Deletion of ‘NSWO” in the list of abbreviations. |  | Agreed |
| 02 | 7.1 | [**S1-242267**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242267.zip) | Union Inter. Chemins de Fer | Update of requirements and gap analysis for multi-train voice communication for Drivers and Ground FRMCS User(s) using Ad hoc Group Communications | CR | [**22.989**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) | 0032 |  | F | 20.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_FRMCS\_Ph6**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030043) | Perform gap analysis of multi-train voice communications using MCX Ad hoc Group Calls |  | Agreed |
| 03 | 7.1 | [**S1-242282**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242282.zip) | Union Inter. Chemins de Fer | New use cases: Merging of two multi-train voice communications by Train Controller (Ground FRMCS user) | CR | [**22.989**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) | 0033 |  | B | 20.0.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_FRMCS\_Ph6**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030043) | Merging of two multi-train voice communications by Train Controller, based on MCX Ad hoc Group Calls |  | Revised to S1-242411 |
| 04 | 7.1 | S1-242411 | UIC | 22.989v20.0.0 New use cases: Merging of two multi-train voice communications by Train Controller (Ground FRMCS user) |  |  |  |  |  |  |  |  |  | Wording to be rewritten, need clarification. Revision of S1-242282. | Agreed |
| 03 | 7.2 | S1-242239 | Nokia Denmark | Open issues for EnergyServ\_Ph2 at SA1#107 | other |  |  |  |  |  |  |  |  |  | Noted |
| 04 | 7.2 | [**S1-242026**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242026.zip) | Nokia (rapporteur) | pCR on TR 22.883 scope section | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This document proposes to fill the scope section of TR22.883 |  | Revised to S1-242413 |
| 05 | 7.2 | S1-242413 | Nokia (rapporteur) | pCR on TR 22.883 scope section |  |  |  |  |  |  |  |  |  | Revision of S1-242026. Wording change (previous, remove in R19, this -> the , present, remove 5G) and Word correction | Agreed |
| 06 | 7.2 | [**S1-242027**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242027.zip) | Nokia (rapporteur) | pCR on TR 22.883 energy-related terms | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This document proposes to add some energy-related terms in TR 22.883. |  | Revised to S1-242414 |
| 07 | 7.2 | S1-242414 | Nokia (rapporteur) | pCR on TR 22.883 energy-related terms |  |  |  |  |  |  |  |  |  | Revision of S1-242027. NOTE 2 -> NOTE, carbon emission is out | Agreed |
| 08 | 7.2 | [**S1-242104**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242104.zip) | TNO, KPN | SDOs working on end-to-end energy management | discussion | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | several SDOs address EC, EE, and CO2e metrics, measurements, and attribution, enabling end-to-end energy measurements for ICT services across domains, to reduce the sector’s carbon impact. It is important to include the 3GPP perspective when aligning those domains. |  | Revised to S1-242412 |
| 09 | 7.2 | S1-242412 | TNO, KPN, Samsung | SDOs working on end-to-end energy management |  |  |  |  |  |  |  |  |  | Revision of S1-242104. The revision to be pCR for Annex. | Revised to S1-242419 |
| 10r | 7.2 | S1-242502 | TNO, KPN, Samsung | SDOs working on end-to-end energy management |  |  |  |  |  |  |  |  | Replaces S1-242419 |  |  |
| 10 | 7.2 | S1-242419 | TNO, KPN, Samsung | SDOs working on end-to-end energy management |  |  |  |  |  |  |  |  |  | Revision of S1-242104. The revision to be pCR for Annex. Revision of S1-242412.  Huawei: this Reference list is for the annex, it is not for the normal Annex section. | Revised to S1-242502 |
| 11 | 7.2 | [**S1-242108**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242108.zip) | KPN, TNO | Energy Labelling | discussion | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | Energy efficiency standards and labelling for electronic equipment has been deployed worldwide to influence their citizens to adapt their behavior towards lower energy consumption and a reduced carbon footprint. Similar initiatives are expected for the consumption of digital services. Therefore the ICT sector and 3GPP should prepare for this by enabling accurate and reliable measurement of energy consumption and carbon footprint. |  | Noted |
| 12 | 7.2 | [**S1-242109**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242109.zip) | KPN, TNO | Future Energy Ecosystem | discussion | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Noted |
| 14 | 7.2 | [**S1-242245**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242245.zip) | vivo | Update use case on energy saving service on UE | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-242410 |
| 15 | 7.2 | S1-242410 | vivo | Update use case on energy saving service on UE |  |  |  |  |  |  |  |  |  | Revision of S1-242245. | Noted |
| 17 | 7.2 | [**S1-242018**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242018.zip) | AsiaInfo | pCR on TR 22883 Collection of Network Energy-Saving Adjustment Information | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This pCR introduces a new use case on Collection of Network Energy-Saving Adjustment Information |  | Revised to S1-242400 |
| 18 | 7.2 | S1-242400 | AsiaInfo | pCR on TR 22883 Collection of Network Energy-Saving Adjustment Information |  |  |  |  |  |  |  |  |  | Revision of S1-242018. Presented by the rapporteur | Revised to S1-242421 |
| 19r | 7.2 | S1-242497 | AsiaInfo | pCR on TR 22883 Collection of Network Energy-Saving Adjustment Information |  |  |  |  |  |  |  |  | Replaces S1-242421 |  | Revised to S1-242503 |
| 19rr | 7.2 | S1-242503 | AsiaInfo | pCR on TR 22883 Collection of Network Energy-Saving Adjustment Information |  |  |  |  |  |  |  |  | Replaces S1-242497 |  |  |
| 19 | 7.2 | S1-242421 | AsiaInfo | pCR on TR 22883 Collection of Network Energy-Saving Adjustment Information |  |  |  |  |  |  |  |  |  | Revision of S1-242018. Revision of S1-242400. | Revised to S1-242497 |
| 20 | 7.2 | [**S1-242028**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242028.zip) | Nokia | 22.883 pCR on New Use case on exposing subscriber carbon footprint information | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-242401 |
| 21 | 7.2 | S1-242401 | Nokia | 22.883 pCR on New Use case on exposing subscriber carbon footprint information |  |  |  |  |  |  |  |  |  | Revision of S1-242028. | Revised to S1-242416 |
| 22 | 7.2 | S1-242416 | Nokia | 22.883 pCR on New Use case on exposing subscriber carbon footprint information |  |  |  |  |  |  |  |  |  | Revision of S1-242028. Revision of S1-242401.  Ericsson: the req is stating that you get the carbon emission from the 3GPP network, which is not the case. Some rewording of the note is needed | Open |
| 23 | 7.2 | [**S1-242029**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242029.zip) | Nokia | 22.883 pCR on New Use case on UE tolerance to QoS degradation due to network energy saving | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-242402 |
| 24 | 7.2 | S1-242402 | Nokia | 22.883 pCR on New Use case on UE tolerance to QoS degradation due to network energy saving |  |  |  |  |  |  |  |  |  | Revision of S1-242029, S1-242202 | Revised to S1-242420 |
| 25r | 7.2 | S1-242504 | Nokia | 22.883 pCR on New Use case on UE tolerance to QoS degradation due to network energy saving |  |  |  |  |  |  |  |  | Replaces S1-242420 |  |  |
| 25 | 7.2 | S1-242420 | Nokia | 22.883 pCR on New Use case on UE tolerance to QoS degradation due to network energy saving |  |  |  |  |  |  |  |  |  | Revision of S1-242029, S1-242202 Revision of S1-242402.  Huawei: SA1 is providing requirements, not incentives  Ericsson, Apple: concerns with use case  Samsung: propose to add an eidtor’s note: to identify whether this granularity is appropriate if FFS | Revised to S1-242504 |
| 26 | 7.2 | [**S1-242047**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242047.zip) | China Mobile | New use case on supporting energy related adjustment based on network condition | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-242403 |
| 27 | 7.2 | S1-242403 | China Mobile | New use case on supporting energy related adjustment based on network condition |  |  |  |  |  |  |  |  |  | Revision of S1-242047. | Merged into S1-242405 |
| 28 | 7.2 | [**S1-242110**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242110.zip) | KPN, TNO | Media streaming carbon footprint transparency to end user terminals | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | End2end energy usage and CO2e data shall be delivered to End User . |  | Revised to S1-242333 |
| 29 | 7.2 | S1-242333 | KPN, TNO | Media streaming carbon footprint transparency to end user terminals | pCR | 22.883 |  |  |  | 0.1.0 | Rel-20 | FS\_EnergyServ\_Ph2 | Replaces S1-242110 | Revision of S1-242110. | Revised to S1-242404 |
| 30 | 7.2 | S1-242404 | KPN, TNO | Media streaming carbon footprint transparency to end user terminals |  |  |  |  |  |  |  |  |  | Revision of S1-242110. Revision of S1-242333, S1-242334. | Revised to S1-242415 |
| 31 | 7.2 | S1-242415 | KPN, TNO | Media streaming carbon footprint transparency to end user terminals |  |  |  |  |  |  |  |  |  | Revision of S1-242110. Revision of S1-242333, S1-242334. Revision of S1-242404. | Revised to S1-242422 |
| 32 | 7.2 | S1-242422 | KPN, TNO | Media streaming carbon footprint transparency to end user terminals |  |  |  |  |  |  |  |  |  | Revision of S1-242110. Revision of S1-242333, S1-242334. Revision of S1-242404. Revision of S1-242415. | Agreed |
| 33 | 7.2 | [**S1-242111**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242111.zip) | KPN, TNO | EC and CO2e transparency to any service provider in the end-to-end service chain | discussion | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-242334 |
| 34 | 7.2 | S1-242334 | KPN, TNO | EC and CO2e transparency to any service provider in the end-to-end service chain | discussion | 22.883 |  |  |  |  | Rel-20 | FS\_EnergyServ\_Ph2 | Replaces S1-242111 | Revision of S1-242111. | Merged into S1-242404 |
| 35 | 7.2 | [**S1-242114**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242114.zip) | TNO | Energy efficient, carbon aware, content download | discussion | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-242335 |
| 36 | 7.2 | S1-242335 | TNO | Energy efficient, carbon aware, content download | discussion | 22.883 |  |  |  |  | Rel-20 | FS\_EnergyServ\_Ph2 | Replaces S1-242114 | Revision of S1-242114. | Revised to S1-242405 |
| 37 | 7.2 | S1-242405 | TNO | Energy efficient, carbon aware, content download |  |  |  |  |  |  |  |  |  | Revision of S1-242114. Revision of S1-242335, S1-242141, S1-242403. | Revised to S1-242417 |
| 38 | 7.2 | S1-242417 | TNO | Energy efficient, carbon aware, content download |  |  |  |  |  |  |  |  |  | Revision of S1-242114. Revision of S1-242335, S1-242141, S1-242403. Revision of S1-242405. |  |
| 39 | 7.2 | [**S1-242128**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242128.zip) | MediaTek Korea Inc., Rakuten Mobile | Use Case on ECO Notification of Communication Service | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-242406 |
| 40 | 7.2 | S1-242406 | MediaTek, Rakuten Mobile | Use Case on ECO Notification of Communication Service |  |  |  |  |  |  |  |  |  | Revision of S1-242128. | Merged into S1-242404 |
| 41 | 7.2 | [**S1-242140**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242140.zip) | ZTE Corporation | New use case on energy related characteristics information used for network node selection | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-242407 |
| 42 | 7.2 | S1-242407 | ZTE | New use case on energy related characteristics information used for network node selection |  |  |  |  |  |  |  |  |  | Revision of S1-242140. | Revised to S1-242418 |
| 43r | 7.2 | S1-242505 | ZTE | New use case on energy related characteristics information used for network node selection |  |  |  |  |  |  |  |  | Replaces S1-242418 |  |  |
| 43 | 7.2 | S1-242418 | ZTE | New use case on energy related characteristics information used for network node selection |  |  |  |  |  |  |  |  |  | Revision of S1-242140. Revision of S1-242407.  Number the notes.  Editor’s Note is not needed: this is a solution | Revised to S1-242505 |
| 44 | 7.2 | [**S1-242141**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242141.zip) | ZTE Corporation | New use case on energy efficient data delivery | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Merged into S1-242405 |
| 45 | 7.2 | [**S1-242202**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242202.zip) | China Telecom | Use case on dynamic user experience adjustment | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Merged into S1-242402 |
| 46 | 7.2 | [**S1-242210**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242210.zip) | IIT Bombay | Supporting service adjustment with energy credit limit control | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This document proposes a use case along with requirements to be considered for FS\_EnergyServ\_Ph2 in TR 22.883 to support service adjustments with energy credit limit control. |  | Noted |
| 47 | 7.2 | [**S1-242214**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242214.zip) | NTT DOCOMO INC.. | p-CR on new use case on network supporting energy saving for battery-powered base station | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) |  |  | Revised to S1-242408 |
| 48 | 7.2 | S1-242408 | NTT DOCOMO. | p-CR on new use case on network supporting energy saving for battery-powered base station |  |  |  |  |  |  |  |  |  | Revision of S1-242214. | Noted |
| 49 | 7.2 | [**S1-242251**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242251.zip) | Nokia | New Use case on notifying users about network service operability | pCR | [**22.883**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4308) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_EnergyServ\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030044) | This pCR proposes a new use case on notifying users about network service operability, including based on (limited) network energy availability. |  | Revised to S1-242409 |
| 50 | 7.2 | S1-242409 | Nokia | New Use case on notifying users about network service operability |  |  |  |  |  |  |  |  |  | Revision of S1-242251. | Noted |
| 01 | 7.2.1 | S1-242460 | Rapporteur (Nokia) | TR 22.883v0.2.0 Study on Energy Efficiency as service criteria Phase 2 |  |  |  |  |  |  |  |  |  |  |  |
| 03 | 7.3 | [**S1-242238**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242238.zip) | NOVAMINT | Open issues for 5GSAT\_Ph4 at SA1#107 | other |  |  |  |  |  |  |  |  |  | Noted |
| 04 | 7.3 | [**S1-242069**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242069.zip) | NOVAMINT | Pseudo-CR on scope section of TR22887 | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Noted |
| 05 | 7.3 | [**S1-242070**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242070.zip) | NOVAMINT | Pseudo-CR on overview section of TR22887 | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242304 |
| 06 | 7.3 | S1-242304 | NOVAMINT | Pseudo-CR on overview section of TR22887 | pCR | 22.887 |  |  |  | 0.1.0 | Rel-20 | FS\_5GSAT\_Ph4 | Merge of S1-242070 & 2163 | Revision of S1-242070. | Revised to S1-242376 |
| 07 | 7.3 | S1-242376 | NOVAMINT | Pseudo-CR on overview section of TR22887 |  |  |  |  |  |  |  |  |  | Revision of S1-242070. Revision of S1-242304. | Agreed |
| 08 | 7.3 | [**S1-242163**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242163.zip) | China Telecom Corporation Ltd. | Pseudo-CR on Update of 22.887: Overview | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  | Merge into S1-242304 | Noted |
| 10 | 7.3 | [**S1-242250**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242250.zip) | vivo, Novamint, CMCC, MediaTek, Honor, CATT, Fraunhofer IIS | Updates on IMS voice call using GEO satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | To update KPI table and PRs |  | Revised to S1-242302 |
| 11 | 7.3 | S1-242302 | vivo, Novamint, CMCC, MediaTek, Honor, CATT, Fraunhofer IIS | Updates on IMS voice call using GEO satellite access | pCR | 22.887 |  |  |  | 0.1.0 | Rel-20 | FS\_5GSAT\_Ph4 | Merge of S1-242250 & 2235 | Revision of S1-242250. | Revised to S1-242374 |
| 12 | 7.3 | S1-242374 | vivo, Novamint, CMCC, MediaTek, Honor, CATT, Fraunhofer IIS | Updates on IMS voice call using GEO satellite access |  |  |  |  |  |  |  |  |  | Revision of S1-242250. Revision of S1-242302. | Revised to S1-242389 |
| 13 | 7.3 | S1-242389 | vivo, Novamint, CMCC, MediaTek, Honor, CATT, Fraunhofer IIS | Updates on IMS voice call using GEO satellite access |  |  |  |  |  |  |  |  |  | Revision of S1-242250. Revision of S1-242302. Revision of S1-242374. | Revised to S1-242395 |
| 14 | 7.3 | S1-242395 | vivo, Novamint, CMCC, MediaTek, Honor, CATT, Fraunhofer IIS | Updates on IMS voice call using GEO satellite access |  |  |  |  |  |  |  |  |  | Revision of S1-242250. Revision of S1-242302. Revision of S1-242374. Revision of S1-242389. With packet size within PR2 | Agreed |
| 15 | 7.3 | [**S1-242235**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242235.zip) | Fraunhofer IIS | pCR on IMS Voice Call using GEO satellite access data rates | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  | Merge into S1-242302 | Noted |
| 16 | 7.3 | [**S1-242068**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242068.zip) | EchoStar, Novamint, Dish Network, SES, Thales, Vivo, Sateliot, Viasat, Inmarsat, Cewit, Qualcomm | pCR on update of 5.2 use case on resilient notification | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242303 |
| 17 | 7.3 | S1-242303 | EchoStar, Novamint, Dish Network, SES, Thales, Vivo, Sateliot, Viasat, Inmarsat, Cewit, Qualcomm | pCR on update of 5.2 use case on resilient notification | pCR | 22.887 |  |  |  | 0.1.0 | Rel-20 | FS\_5GSAT\_Ph4 | Replaces S1-242068 | Revision of S1-242068. | Revised to S1-242372 |
| 18 | 7.3 | S1-242372 | EchoStar, Novamint, Dish Network, SES, Thales, Vivo, Sateliot, Viasat, Inmarsat, Cewit, Qualcomm | pCR on update of 5.2 use case on resilient notification |  |  |  |  |  |  |  |  |  | Revision of S1-242068. Revision of S1-242303. | Revised to S1-242393 |
| 19r | 7.3 | S1-242491 | EchoStar, Novamint, Dish Network, SES, Thales, Vivo, Sateliot, Viasat, Inmarsat, Cewit, Qualcomm | pCR on update of 5.2 use case on resilient notification |  |  |  |  |  |  |  |  | Replaces S1-242393 | Text in the parenthesis (two instances) to be removed.  “none” to be added in section 5. | Revised to S1-242506 |
| 19rr | 7.3 | S1-242506 | EchoStar, Novamint, Dish Network, SES, Thales, Vivo, Sateliot, Viasat, Inmarsat, Cewit, Qualcomm | pCR on update of 5.2 use case on resilient notification |  |  |  |  |  |  |  |  | Replaces S1-242491 |  |  |
| 19 | 7.3 | S1-242393 | EchoStar, Novamint, Dish Network, SES, Thales, Vivo, Sateliot, Viasat, Inmarsat, Cewit, Qualcomm | pCR on update of 5.2 use case on resilient notification |  |  |  |  |  |  |  |  |  | Revision of S1-242068. Revision of S1-242303. Revision of S1-242372. | Revised to S1-242491 |
| 20 | 7.3 | [**S1-242199**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242199.zip) | Huawei | Update of the use case on Resilient Notification | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  | Merge to 2372 |  |
| 21 | 7.3 | [**S1-242211**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242211.zip) | China Mobile Com. Corporation,ISSDU | pCR on update use case on Satellite Communication with Resilient Operation Mode for Public Safety access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Agreed |
| 22 | 7.3 | [**S1-242073**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242073.zip) | ETRI, Nokia, Novamint, China Mobile | Pseudo-CR on update of clause 5.4 Use case on service continuity through multi-orbit satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | This contribution proposes to update the potential requirements in clause 5.4.6 for the use case on service continuity through multi-orbit satellite access. |  | Agreed |
| 23 | 7.3 | [**S1-242054**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242054.zip) | CATT | pCR on Update to 5.5 Use Case | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Agreed |
| 24 | 7.3 | [**S1-242055**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242055.zip) | CATT | pCR on Update to 5.7 Use Case | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242371 |
| 25 | 7.3 | S1-242371 | CATT | pCR on Update to 5.7 Use Case |  |  |  |  |  |  |  |  |  | Revision of S1-242055. | Revised to S1-242394 |
| 26 | 7.3 | S1-242394 | CATT | pCR on Update to 5.7 Use Case |  |  |  |  |  |  |  |  |  | Revision of S1-242055. With availability and 5G network. Revision of S1-242371. With availability and 5G network. | Agreed |
| 28 | 7.3 | [**S1-242116**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242116.zip) | Google, Novamint, SyncTechno Inc., ISSDU, III, Korea Telecom, Sateliot | Use Case on Satellite-Enabled Emergency Messaging Services | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | This PCR proposes a new use case on Satellite-Enabled Emergency Messaging Service for resource-constrained UEs, e.g. IoT devices, using satellite access for inclusion in TR 22.887. |  | Revised to S1-242353 |
| 29 | 7.3 | S1-242353 | Google, Novamint, SyncTechno Inc., ISSDU, III, Korea Telecom, Sateliot | Use Case on Satellite-Enabled Emergency Messaging Services |  |  |  |  |  |  |  |  |  | Revision of S1-242116. | Revised to S1-242378 |
| 30 | 7.3 | S1-242378 | Google, Novamint, SyncTechno Inc., ISSDU, III, Korea Telecom, Sateliot | Use Case on Satellite-Enabled Emergency Messaging Services |  |  |  |  |  |  |  |  |  | Revision of S1-242116. Revision of S1-242353.  For T-Mobile, this is a brand new service, not a satellite access to an existing service.  Still several companies wondering about the concept.  Novamint: indeed, it needs to be further checked how to adapt it. | Noted |
| 31 | 7.3 | [**S1-242063**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242063.zip) | SES S.A., NOVAMINT, TNO, Thales | Enhanced PWS in satellite access network | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  | Merged with 2081 in 2330 | Noted |
| 32 | 7.3 | [**S1-242081**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242081.zip) | one2many B.V. | pCR on Use Case on PWS | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  | Merged with 2063 in 2330 | Revised to S1-242330 |
| 33 | 7.3 | S1-242330 | one2many B.V. | pCR on Use Case on PWS | pCR | 22.887 |  |  |  | 0.1.0 | Rel-20 | FS\_5GSAT\_Ph4 | merge of S1-242063 and S1-242081 | Revision of S1-242081. | Revised to S1-242354 |
| 34 | 7.3 | S1-242354 | one2many B.V. | pCR on Use Case on PWS |  |  |  |  |  |  |  |  |  | Revision of S1-242081. Revision of S1-242330. | Revised to S1-242379 |
| 35 | 7.3 | S1-242379 | one2many B.V. | pCR on Use Case on PWS |  |  |  |  |  |  |  |  |  | Revision of S1-242081. Revision of S1-242330. Revision of S1-242354. Remove second PR2 and remove terrestrial of PR1 | Agreed |
| 36 | 7.3 | [**S1-242064**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242064.zip) | SES S.A., NOVAMINT, TNO | Use case on Mission Critical Services using Satellite Access with Nomadic Nodes | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242355 |
| 37 | 7.3 | S1-242355 | SES S.A., NOVAMINT, TNO | Use case on Mission Critical Services using Satellite Access with Nomadic Nodes |  |  |  |  |  |  |  |  |  | Revision of S1-242064. | Revised to S1-242380 |
| 38r | 7.3 | S1-242507 | SES S.A., NOVAMINT, TNO | Use case on Mission Critical Services using Satellite Access with Nomadic Nodes |  |  |  |  |  |  |  |  | Replaces S1-242380 |  |  |
| 38 | 7.3 | S1-242380 | SES S.A., NOVAMINT, TNO | Use case on Mission Critical Services using Satellite Access with Nomadic Nodes |  |  |  |  |  |  |  |  |  | Revision of S1-242064. Revision of S1-242355.  Apple: “5G system” or “5G network”?  SES: there might be some impacts on the user side, so better to leave “5G system” at this stage.  Qualcomm: remove everything after FFS | Revised to S1-242507 |
| 39 | 7.3 | [**S1-242213**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242213.zip) | China Mobile Com. Corporation | pCR on use case on emergency communication using satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242356 |
| 40 | 7.3 | S1-242356 | China Mobile | pCR on use case on emergency communication using satellite access |  |  |  |  |  |  |  |  |  | Revision of S1-242213. | Agreed |
| 41 | 7.3 | [**S1-242048**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242048.zip) | China Mobile | Use case on supporting different services with multi-orbit satellites | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242365 |
| 42 | 7.3 | S1-242365 | China Mobile | Use case on supporting different services with multi-orbit satellites |  |  |  |  |  |  |  |  |  | Revision of S1-242048. | Revised to S1-242381 |
| 43 | 7.3 | S1-242381 | China Mobile | Use case on supporting different services with multi-orbit satellites |  |  |  |  |  |  |  |  |  | Revision of S1-242048. Revision of S1-242365. | Agreed |
| 44 | 7.3 | [**S1-242212**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242212.zip) | China Mobile Com. Corporation | pCR on Use Case on Network support for service continuity among different orbit satellites | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242357 |
| 45 | 7.3 | S1-242357 | China Mobile | pCR on Use Case on Network support for service continuity among different orbit satellites |  |  |  |  |  |  |  |  |  | Revision of S1-242212. Merge into S1-242371 | Noted |
| 46 | 7.3 | [**S1-242209**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242209.zip) | IIT Bombay | Wide-area disaster control support using multi-orbit satellite network | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | This document proposes a use case along with requirements for wide-area disaster control support to be considered for FS\_5GSAT\_Ph4 in TR 22.887. |  | Revised to S1-242358 |
| 47 | 7.3 | S1-242358 | IIT Bombay | Wide-area disaster control support using multi-orbit satellite network |  |  |  |  |  |  |  |  |  | Revision of S1-242209. | Revised to S1-242384 |
| 48r | 7.3 | S1-242508 | IIT Bombay | Wide-area disaster control support using multi-orbit satellite network |  |  |  |  |  |  |  |  | Replaces S1-242384 |  |  |
| 48 | 7.3 | S1-242384 | IIT Bombay | Wide-area disaster control support using multi-orbit satellite network |  |  |  |  |  |  |  |  |  | Revision of S1-242209. Revision of S1-242358.  Apple: since no UE impact expected, “5G system” to be changed to “5G network”  Qualcomm: note to be rewritten | Revised to S1-242508 |
| 49 | 7.3 | [**S1-242252**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242252.zip) | Nokia, ETRI | Use case on broadband services through multi-orbit satellite access | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | This contribution proposes a use case for the FS\_5GSAT\_Ph4 TR 22.887, which was discussed in SA1#106. The use case relates to multi-orbit satellite access for broadband services leveraging the advantages of different orbit satellite systems. The main update is to make the potential requirements more general as others that have been agreed in SA1#106. |  | Revised to S1-242364 |
| 50 | 7.3 | S1-242364 | Nokia, ETRI | Use case on broadband services through multi-orbit satellite access |  |  |  |  |  |  |  |  |  | Revision of S1-242252. | Revised to S1-242382 |
| 51 | 7.3 | S1-242382 | Nokia, ETRI | Use case on broadband services through multi-orbit satellite access |  |  |  |  |  |  |  |  |  | Revision of S1-242252. Revision of S1-242364. | Revised to S1-242396 |
| 52 | 7.3 | S1-242396 | Nokia, ETRI | Use case on broadband services through multi-orbit satellite access |  |  |  |  |  |  |  |  |  | Revision of S1-242252. Revision of S1-242364. Revision of S1-242382. With NGSO satellite access in PR1 and 3 supporting companies. | Agreed |
| 53 | 7.3 | [**S1-242262**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242262.zip) | EchoStar, TNO, Novamint | Use case on multi-orbit access for cross-hybrid solutions | discussion | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  |  |  |  |  |  | Revised to S1-242359 |
| 54 | 7.3 | S1-242359 | EchoStar, TNO, Novamint | Use case on multi-orbit access for cross-hybrid solutions |  |  |  |  |  |  |  |  |  | Revision of S1-242262. | Revised to S1-242383 |
| 55 | 7.3 | S1-242383 | EchoStar, TNO, Novamint | Use case on multi-orbit access for cross-hybrid solutions |  |  |  |  |  |  |  |  |  | Revision of S1-242262. Revision of S1-242359. | Agreed |
| 56 | 7.3 | [**S1-242284**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242284.zip) | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for initial network entry and service initialization | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242351 |
| 57 | 7.3 | S1-242351 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for initial network entry and service initialization |  |  |  |  |  |  |  |  |  | Revision of S1-242284. |  |
| 58 | 7.3 | S1-242361 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for initial network entry and service initialization |  |  |  |  |  |  |  |  |  | Revision of S1-242284. Revision of S1-242351. | Revised to S1-242385 |
| 59 | 7.3 | S1-242385 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for initial network entry and service initialization |  |  |  |  |  |  |  |  |  | Revision of S1-242284. Revision of S1-242351. Revision of S1-242361. With ENs FFS for definition 2 and 3, and FFS for RQs after email check. | Agreed |
| 60 | 7.3 | [**S1-242061**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242061.zip) | SES, Novamint, Thales, TNO | Use case on GEO assisted network entry to a multi-orbit Satellite Access System | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242352 |
| 61 | 7.3 | S1-242352 | SES, Novamint, Thales, TNO | Use case on GEO assisted network entry to a multi-orbit Satellite Access System |  |  |  |  |  |  |  |  |  | Revision of S1-242061. |  |
| 62 | 7.3 | S1-242362 | SES, Novamint, Thales, TNO | Use case on GEO assisted network entry to a multi-orbit Satellite Access System |  |  |  |  |  |  |  |  |  | Revision of S1-242061. Revision of S1-242352. | Revised to S1-242386 |
| 63 | 7.3 | S1-242386 | SES, Novamint, Thales, TNO | Use case on GEO assisted network entry to a multi-orbit Satellite Access System |  |  |  |  |  |  |  |  |  | Revision of S1-242061. Revision of S1-242352. Revision of S1-242362. | Revised to S1-242397 |
| 64r | 7.3 | S1-242509 | SES, Novamint, Thales, TNO | Use case on GEO assisted network entry to a multi-orbit Satellite Access System |  |  |  |  |  |  |  |  | Replaces S1-242397 |  |  |
| 64 | 7.3 | S1-242397 | SES, Novamint, Thales, TNO | Use case on GEO assisted network entry to a multi-orbit Satellite Access System |  |  |  |  |  |  |  |  |  | Revision of S1-242061. Revision of S1-242352. Revision of S1-242362. Revision of S1-242386.  Apple: is the UE impacted on the 2nd req?  SES: yes, it can be, in particular at switching on (new availability) of a satellite. | Revised to S1-242509 |
| 65 | 7.3 | [**S1-242062**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242062.zip) | SES S.A., NOVAMINT, Thales, TNO | Network entry via GEO in multi orbit satellite network | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242350 |
| 66 | 7.3 | S1-242350 | SES S.A., NOVAMINT, Thales, TNO | Network entry via GEO in multi orbit satellite network |  |  |  |  |  |  |  |  |  | Revision of S1-242062. |  |
| 67 | 7.3 | S1-242363 | SES S.A., NOVAMINT, Thales, TNO | Network entry via GEO in multi orbit satellite network |  |  |  |  |  |  |  |  |  | Revision of S1-242062. Revision of S1-242350. Merge into S1-242362 | Noted |
| 68 | 7.3 | [**S1-242279**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242279.zip) | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO to land data in a desirable geographical location | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242367 |
| 69 | 7.3 | S1-242367 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO to land data in a desirable geographical location |  |  |  |  |  |  |  |  |  | Revision of S1-242279. | Revised to S1-242387 |
| 70r | 7.3 | S1-242510 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO to land data in a desirable geographical location |  |  |  |  |  |  |  |  | Replaces S1-242387 |  |  |
| 70 | 7.3 | S1-242387 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO to land data in a desirable geographical location |  |  |  |  |  |  |  |  | Terminology has been less “satellite-specific”. | Revision of S1-242279. Revision of S1-242367. | Revised to S1-242510 |
| 71 | 7.3 | [**S1-242280**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242280.zip) | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for low rate true broadcast or massive multicast communications | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242368 |
| 72 | 7.3 | S1-242368 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for low rate true broadcast or massive multicast communications |  |  |  |  |  |  |  |  |  | Revision of S1-242280. | Revised to S1-242388 |
| 73 | 7.3 | S1-242388 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for low rate true broadcast or massive multicast communications |  |  |  |  |  |  |  |  |  | Revision of S1-242280. Revision of S1-242368.  Merged in 2396 | Merged |
| 74 | 7.3 | [**S1-242281**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242281.zip) | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for sleep/power management | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Revised to S1-242369 |
| 75 | 7.3 | S1-242369 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for sleep/power management |  |  |  |  |  |  |  |  |  | Revision of S1-242281. | Revised to S1-242375 |
| 76 | 7.3 | S1-242375 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for sleep/power management |  |  |  |  |  |  |  |  |  | Revision of S1-242281. Revision of S1-242369. | Revised to S1-242390 |
| 77r | 7.3 | S1-242511 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for sleep/power management |  |  |  |  |  |  |  |  | Replaces S1-242390 |  | Agreed |
| 77 | 7.3 | S1-242390 | ViaSat Satellite Holdings Ltd, Inmarsat, NOVAMINT, SES | Use case on using GEO for sleep/power management |  |  |  |  |  |  |  |  |  | Revision of S1-242281. Revision of S1-242369. Revision of S1-242375.  Huawei: PR02: already covered in Stage 2, can be deleted. PR01: more clarifications are needed.  ViaSat: this was changed to “monitoring”  Mediatik: wording needs indeed to be clarified  Mediatek: from Rel-18, the UE is already informed by the network when thre is satellite coverage. If this is the intention here, then it is not needed since it is already there.  Chair: edited while projecting | Revised to S1-242511 |
| 78 | 7.3 | [**S1-242274**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242274.zip) | ViaSat Satellite Holdings Ltd, Inmarsat | Multi Orbit use case: FR2 Broadcast/multicast downlink with FR1 LEO uplink | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-242287 |
| 79 | 7.3 | S1-242287 | ViaSat Satellite Holdings Ltd, Inmarsat | Multi Orbit use case: FR2 Broadcast/multicast downlink with FR1 LEO uplink | discussion |  |  |  |  |  |  |  | Replaces S1-242274 | Revision of S1-242274. | Withdrawn |
| 80 | 7.3 | [**S1-242275**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242275.zip) | ViaSat Satellite Holdings Ltd, Inmarsat | Multi Orbit use case: Backhaul | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-242288 |
| 81 | 7.3 | S1-242288 | ViaSat Satellite Holdings Ltd, Inmarsat | Multi Orbit use case: Backhaul | discussion |  |  |  |  |  |  |  | Replaces S1-242275 | Revision of S1-242275. | Noted |
| 82 | 7.3 | [**S1-242263**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242263.zip) | TNO | Use Case on multi-orbit satellite backhauling | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) | Satellite backhauling exploiting and/or combining connectivity over multiple orbits needs to be supported by NTN systems. A requirement is proposed to address multi-orbit satellite backhauling |  | Revised to S1-242360 |
| 83 | 7.3 | S1-242360 | TNO, ESA, Thales, Novamint, SES | Use Case on multi-orbit satellite backhauling |  |  |  |  |  |  |  |  |  | Revision of S1-242263. |  |
| 84 | 7.3 | S1-242366 | TNO, ESA, Thales, Novamint, SES | Use Case on multi-orbit satellite backhauling |  |  |  |  |  |  |  |  |  | Revision of S1-242263. Revision of S1-242360. | Revised to S1-242391 |
| 85 | 7.3 | S1-242391 | TNO, ESA, Thales, Novamint, SES | Use Case on multi-orbit satellite backhauling |  |  |  |  |  |  |  |  |  | Revision of S1-242263. Revision of S1-242360. Revision of S1-242366. | Agreed |
| 86 | 7.3 | [**S1-242276**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242276.zip) | ViaSat Satellite Holdings Ltd, Inmarsat | Multi Orbit use case: Application Aware Traffic steering/switching | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-242289 |
| 87 | 7.3 | S1-242289 | ViaSat Satellite Holdings Ltd, Inmarsat | Multi Orbit use case: Application Aware Traffic steering/switching | discussion |  |  |  |  |  |  |  | Replaces S1-242276 | Revision of S1-242276. | Withdrawn |
| 88 | 7.3 | [**S1-242277**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242277.zip) | ViaSat Satellite Holdings Ltd., Inmarsat, NOVAMINT, SES | Use case on using a multi orbit satellite system to improve service reliability and availability | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Noted |
| 89 | 7.3 | [**S1-242272**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242272.zip) | ViaSat Satellite Holdings Ltd., Inmarsat | Multi Orbit use case: FR2 GEO downlink with FR1 LEO uplink | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-242290 |
| 90 | 7.3 | S1-242290 | ViaSat Satellite Holdings Ltd., Inmarsat | Multi Orbit use case: FR2 GEO downlink with FR1 LEO uplink | discussion |  |  |  |  |  |  |  | Replaces S1-242272 | Revision of S1-242272. | Revised to S1-242370 |
| 91 | 7.3 | S1-242370 | ViaSat Satellite Holdings Ltd., Inmarsat, Novamint, SES | Multi Orbit use case: FR2 GEO downlink with FR1 LEO uplink |  |  |  |  |  |  |  |  |  | Revision of S1-242272. Revision of S1-242290. | Revised to S1-242392 |
| 92 | 7.3 | S1-242392 | ViaSat Satellite Holdings Ltd., Inmarsat, Novamint, SES | Multi Orbit use case: FR2 GEO downlink with FR1 LEO uplink |  |  |  |  |  |  |  |  |  | Revision of S1-242272. Revision of S1-242290. Revision of S1-242370.  Author: note it | Noted. |
| 93 | 7.3 | [**S1-242041**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242041.zip) | IPLOOK | Pseudo-CR: Use Case on Resilient Notification and Pre-notification to OTA update | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  |  |
| 94 | 7.3 | [**S1-242089**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242089.zip) | SES, Novamint, ESA, Inmarsat, Viasat, EchoStar, JSAT, TNO, Gilat | Use case on Broadcast Services with satellite access for unregistered UEs | pCR | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  | 0.1.0 | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) | [**FS\_5GSAT\_Ph4**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1030042) |  |  | Noted |
| 95 | 7.3 | [**S1-242120**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242120.zip) | ViaSat Satellite Holdings Ltd | Use cases of Multi-Orbit (GEO + NGSO) satellite systems | discussion | [**22.887**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4309) |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | In this note we present multiple use cases for multi-orbit satellite systems. |  | Withdrawn |
| 01 | 7.3.1 | S1-242461 | Rapporteur (Novamint) | TR22.887v0.2.0 Study on satellite access - Phase 4 |  |  |  |  |  |  |  |  |  |  |  |
| 01 | 8.1 | S1-242292 | Neutral Rapporteur | 6G SID initial draft | SID |  |  |  |  |  |  |  | 3 approaches are proposed for the 6GSID: simple, IMT-based, or detailed. | 1st paragraph of Justification:  Bosch: Verticals can be mentioned  1st paragraph can be split in two, since 2nd part is different topic.  Vodafone: text should stay as it is, it is already a summary.  Verizon: looks good as it is. Verticals/industrials can be added.  TNO: 1st paragraph is “5G is good” and 2nd paragraph is “but 6G will be even better”, so this is a nice structure.  KPN: let’s keep the text as it is, we will not gain much by spending hours on it.  “Evolution” is also an option.  Vodafone: thanks for the excellent work. About “lessons learnt”, the reality might be more accurately reflected.  Nokia: list of examples can be added.  2nd paragraph:  Nokia, Sony: “6G aims to provide human centric communication technologies”: how about IoT? And is IMT approach agreed to be the baseline?  LG: thanks for the work. All “G” is “human centric”. And “IMT 2030 vision” to be replaced by “IMT 2030 framework” (and “objective” can be used when needed).  ATT: “modular” and “cloud-native” can be added after “simplified network”.  Xiaomi: also problem with “human centric”: “advanced digital society” could be better. “2030s” to be replaced by “2030s and beyond”. Ref to ITU can be more detailed. And “by leveraging AI”: maybe “AI” is an example.  SyncTechno: leftovers from 5G can be added  Qualcomm: SA1 workshop can be referenced  Huawei: last part deals with network operation. “AI&communication” can be mentioned.  3rd paragraph :  « network capability » to be replaced by “system capability”  Samsung: the SID shall be restricted to “essential use cases for 6G”, otherwise it will end up being an encyclopaedia.  Objective:  Chair: let’s open the floor to general comments, then a show of hands to check who prefers which approach (1, 2 or 3)  Nokia: prefer #1 and then this can be extended to finally maybe reach #3.  KPN: approach #2 is preferred, and shall include ITU’s “overarching aspects”.  Sony: also prefer #2, if we can keep them separate  Xiaomi: prefer #2, with some items of #3  KDDI: prefer “approach B”.  Vodafone and others (ATT, China Telecom,..): approach #2 is a good balance. #1 is too short, #3 is too detailed and will be hard to maintain.  Telefonica: #1 is preferred: the simpler, the better. #2 is too influenced by ITU and #3 is too hard to maintain.  China Mobile: #2  Huawei: no structure with #1, that will be later time-consuming. Approach #2 is preferred, #3 is acceptable  ZTE:#2 preferred  Verizon: #1 is too simple and generic. #2 is just IMT framework, might be limited. Prefer “2+”, between 2 and 3  T-Mobile: #2 preferred, #3 is possible  Qualcomm: #2 preferred  InterDigital: #3 preferred, or something between 2 and 3  BT: #1 is preferred, then #3, then only #2, since #2 is too IMT-centric  Chair: OK, no show of hands at this point. | Revised to S1-242450 |
| 02 | 8.1 | S1-242450 | Neutral Editor, SA1 chair | 6G SID initial draft |  |  |  |  |  |  |  |  |  | Revision of S1-242292. | Revised to S1-242452 |
| 03r | 8.1 | S1-242499 | Neutral Editor, SA1 chair | 6G SID initial draft |  |  |  |  |  |  |  |  | Replaces S1-242452 |  |  |
| 03 | 8.1 | S1-242452 | Neutral Editor, SA1 chair | 6G SID initial draft |  |  |  |  |  |  |  |  |  | Revision of S1-242292. Revision of S1-242450.  Edited while projecting | Revised to S1-242499 |
| 04 | 8.1 | S1-242300 | Temporary Rapporteur (Apple) | Extracts of 6G SID objectives from SID-related contributions | SID |  |  |  |  |  |  |  |  |  | Noted |
| 05 | 8.1 | [**S1-242008**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242008.zip) | ETSI | Template to contribute on the 6G Study | other |  |  |  |  |  |  |  |  |  | Noted |
| 06 | 8.1 | [**S1-242043**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242043.zip) | China Mobile, LG Uplus, Toyota, OPPO, vivo, CATT, Asia Info, CAICT | Study on 6G Use cases and requirements | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242292 |
| 07 | 8.1 | [**S1-242077**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242077.zip) | ZTE Corporation | New Study Item on 6G use cases and requirements | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Propose the justification text and objective content for the 6G SID draft. |  | Merged into S1-242292 |
| 08 | 8.1 | [**S1-242087**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242087.zip) | Rakuten Mobile, Inc | Study on 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Study on 6G Use cases |  | Merged into S1-242292 |
| 09 | 8.1 | [**S1-242101**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242101.zip) | Siemens AG | Proposal for 6G SID – Part for Industrial Communication | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Proposal for 6G SID for the part of Industrial Communication. Provides text for Justification and Objectives wrt Area of Interest of Industrial Communication. Text intended to be transferred into the single 6G SID by neutral editor. |  | Merged into S1-242292 |
| 10 | 8.1 | [**S1-242131**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242131.zip) | NTT DOCOMO | Study on 6G Use cases and requirements | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242292 |
| 11 | 8.1 | [**S1-242157**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242157.zip) | ESA, Airbus, Fraunhofer IIS, ETRI, Erillisverkot, Softil, SyncTechno Inc., FirstNet, Sateliot, SES, Iridium Satellite, Novamint, Viasat, Inmarsat | Proposal for 6G SID: Inputs on Positioning | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This contribution provides motivation and potential objectives in relation to positioning as an area of interest in 6G SID of Rel20. |  | **Revised to S1-242278** |
| 12 | 8.1 | [**S1-242278**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242278.zip) | ESA, Airbus, Fraunhofer IIS, ETRI, Erillisverkot, Softil, SyncTechno Inc., FirstNet, Sateliot, SES, Iridium Satellite, Novamint, Viasat, Inmarsat, Thales | Proposal for 6G SID: Inputs on Positioning | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This contribution provides motivation and potential objectives in relation to positioning as an area of interest in 6G SID of Rel20. | Revision of S1-242157. | Merged into S1-242292 |
| 13 | 8.1 | [**S1-242190**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242190.zip) | China Telecommunications, OPPO | Proposal for 6G SID | SID new |  |  |  |  |  |  |  |  |  | Merged into S1-242292 |
| 14 | 8.1 | [**S1-242207**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242207.zip) | MediaTek Korea Inc. | MediaTek's Proposal for 6G SID | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242292 |
| 15 | 8.1 | [**S1-242224**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242224.zip) | Beijing Xiaomi Electronics | Study on 6G Use cases and requirements | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242292 |
| 16 | 8.1 | [**S1-242232**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242232.zip) | Deutsche Telekom AG | Study on 6G Use cases and requirements | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This paper proposes justification and objectives for the new 6G study item. |  | Merged into S1-242292 |
| 17 | 8.1 | [**S1-242244**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242244.zip) | Huawei | New Study on 6G Services and Requirements | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242292 |
| 18 | 8.1 | [**S1-242253**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242253.zip) | Nokia | Proposal for 6G SID | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242292 |
| 19 | 8.1 | [**S1-242268**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242268.zip) | InterDigital | InterDigital's Proposal for 6G SID | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242292 |
| 20 | 8.1 | [**S1-242083**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242083.zip) | III, AT&T, GE Network Technologies, ISSDU | Proposal for 6G SID: Quantum-Safe Network (QSN) | SID new |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | As we move towards developing 6G technology, it's crucial that its design inherently protects against quantum computing threats. Quantum computing poses new risks that could compromise our current security measures. Therefore, making the 6G infrastructure quantum-safe from the start is essential to protect against these advanced threats. To achieve this, we need to define a set of specific requirements that address the main challenges in securing 6G networks. These challenges include developing new security methods that can resist quantum attacks, ensuring that the network can adapt to new cryptographic technologies quickly to counteract evolving threats, and establishing secure ways to manage identities within the network. Each area requires detailed study and careful planning to ensure that future 6G networks are both safe and reliable. |  | Merged into S1-242292 |
| 21 | 8.1 | [**S1-242126**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242126.zip) | III, GE Network Technologies, ISSDU | Motivation for 6G SID: Quantum Safe Network (QSN) | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Motivation for 6G SID: Quantum Safe Network (QSN) |  | Noted |
| 22 | 8.1 | S1-242084 | III | Motivation for 6G SID: Quantum Safe Network (QSN) | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Motivation for 6G SID: Quantum Safe Network (QSN) |  | Withdrawn |
| 23 | 8.1 | S1-242090 | III, GE Network Technologies, | Motivation for 6G SID: Quantum Safe Network (QSN) | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Motivation for 6G SID: Quantum Safe Network (QSN) |  | Withdrawn |
| 01 | 8.2 | S1-242293 | Neutral Rapporteur | 6G TR Skeleton | TR |  |  |  |  |  |  |  | Draft first version of the TR on 6G SID.  Two approaches are proposed:  A: General aspects (with different topics), “Services from 5G and earlier systems and related enhancements”, and “New use case families”  B: IMT-2030 based approach, re-using the sections already identified by IMT. IMT-2030 usage scenarios, IMT-2030 overarching aspects and other high-level areas | Samsung: which approach is SA1 going to follow? “low-level entry” or “high-level entry”?  Sony: high-level will be hard to maintain since it will be subjective/divergence of interests.  KPN: higher-level use cases is preferred, to explain what 6G is going to be.  Xiaomi: we just use normal rules for drafting a TR.  Qualcomm: open on the approach, although preference for B. “Services from 5G and earlier systems and related enhancements” seem to be redundant with “Migration scenarios”. Is annex the lower-level bar?  Chair: the role of the annex is to be discussed later  Nokia: prefer B. Same concern on migration.  Huawei: “migration” stands for “migration of the network”, the other one is for specific service(s)  ZTE: approach B is preferred | Revised to S1-242451 |
| 02 | 8.2 | S1-242451 | Neutral Editor, SA1 chair | 6G TR Skeleton initial views |  |  |  |  |  |  |  |  |  | Revision of S1-242293. | Revised to S1-242453 |
| 03r | 8.2 | S1-242498 | Neutral Editor, SA1 chair | 6G TR Skeleton initial views |  |  |  |  |  |  |  |  | Replaces S1-242453 |  |  |
| 03 | 8.2 | S1-242453 | Neutral Editor, SA1 chair | 6G TR Skeleton initial views |  |  |  |  |  |  |  |  |  | Revision of S1-242293. Revision of S1-242451. | Revised to S1-242498 |
| 04 | 8.2 | S1-242301 | Temporary Rapporteur (Apple) | Extracts of 6G TR clauses from 6G area of interest and TR-related contributions | TR |  |  |  |  |  |  |  |  |  | Noted |
| 05 | 8.2 | [**S1-242017**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242017.zip) | THALES, TNO | Views on Rel-20 6G study item’s areas of interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 06 | 8.2 | [**S1-242019**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242019.zip) | SK Telecom | 6G area of interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 07 | 8.2 | [**S1-242023**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242023.zip) | Rakuten Mobile, Inc | 6G Area of Interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | For Agenda 8.2 - 6G Area of Interest (Data Anonymisation/Unified Data Framework for Exposure in 6G) |  | Merged into S1-242293 |
| 08 | 8.2 | [**S1-242025**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242025.zip) | SoftBank Corp. | SoftBank’s Area of Interest for 6G Stage 1 Study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 09 | 8.2 | [**S1-242036**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242036.zip) | Intel Deutschland GmbH | Intel's view on 6G areas of interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 10 | 8.2 | [**S1-242037**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242037.zip) | LG Electronics Inc. | LGE's view on 6G Areas of Interest | discussion |  |  |  |  |  |  |  | Presentation slides |  | Merged into S1-242293 |
| 11 | 8.2 | [**S1-242038**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242038.zip) | LG Electronics Inc. | LGE's view on 6G Areas of Interest - DP | discussion |  |  |  |  |  |  |  | Discussion paper for LGE's main presentation slides |  | Merged into S1-242293 |
| 12 | 8.2 | [**S1-242040**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242040.zip) | Sony Europe B.V. | Views on the SA1 6G TR Structure | discussion |  |  |  |  |  |  |  |  |  | Merged into S1-242293 |
| 13 | 8.2 | [**S1-242044**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242044.zip) | China Mobile | Discussion paper on structure | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 14 | 8.2 | [**S1-242045**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242045.zip) | China Mobile | 6G Use cases and requirements TR skeleton | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 15 | 8.2 | [**S1-242052**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242052.zip) | DSIT | 6G Areas of Interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 16 | 8.2 | [**S1-242056**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242056.zip) | CATT | CATT's Views on 6G Areas of Interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 17 | 8.2 | [**S1-242060**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242060.zip) | LG Uplus | LG Uplus’s view on 6G Areas of Interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 18 | 8.2 | [**S1-242071**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242071.zip) | KT Corp. | KT's contribution for 6G areas of interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 19 | 8.2 | [**S1-242072**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242072.zip) | ETRI | Views on 6G areas of interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This contribution includes ETRI's views on 6G areas of interest. |  | Merged into S1-242293 |
| 20 | 8.2 | [**S1-242075**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242075.zip) | Sharp | Views on 6G areas of interest | discussion |  |  |  |  |  |  |  |  |  | Merged into S1-242293 |
| 21 | 8.2 | [**S1-242078**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242078.zip) | ZTE Corporation | Views on SA1 6G study areas | discussion |  |  |  |  |  |  |  |  |  | Merged into S1-242293 |
| 22 | 8.2 | [**S1-242082**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242082.zip) | ROBERT BOSCH GmbH | Bosch's view on 6G areas on interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 23 | 8.2 | [**S1-242085**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242085.zip) | CBN, China Broadnet | View on 6G Areas of Interest | discussion |  |  |  |  |  |  |  |  |  | Merged into S1-242293 |
| 24 | 8.2 | [**S1-242086**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242086.zip) | ESA, Airbus, Fraunhofer IIS, ETRI, Erillisverkot, Softil, SyncTechno Inc., FirstNet, Sateliot, SES, Iridium Satellite, Novamint, Viasat, Inmarsat, Thales | Views on Rel-20 6G study item’s areas of interest: Positioning | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This contributions advocates for introduction of positioning as an area of interest of the 6G study and provides a potential way forward to capture it in the skeleton of the TR |  | Merged into S1-242293 |
| 25 | 8.2 | [**S1-242088**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242088.zip) | vivo | vivo view on 6G area of interest | discussion |  |  |  |  |  |  |  |  |  | Merged into S1-242293 |
| 26 | 8.2 | [**S1-242091**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242091.zip) | NICT | NICT's view on 6G area of interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | NICT's view on 6G area of interest (for Agenda Item 8.2) |  | Merged into S1-242293 |
| 27 | 8.2 | [**S1-242092**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242092.zip) | IIT Bombay | 6G Area of Interest | discussion |  |  |  |  |  |  |  |  |  | Merged into S1-242293 |
| 28 | 8.2 | [**S1-242095**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242095.zip) | Deutsche Telekom AG | Next Gen study areas of interest and TR structure | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This DP describes DT's view on 6G areas of interest. |  | Merged into S1-242293 |
| 29 | 8.2 | [**S1-242098**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242098.zip) | Samsung | 6G Topics / TR Skeleton | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Contains topics of interest and discussion of the 6G study TR skeleton. |  | Merged into S1-242293 |
| 30 | 8.2 | [**S1-242099**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242099.zip) | Siemens AG | 6G Areas of Interest - Industrial Communication | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | 6G Areas of Interest - Industrial Communication |  | Merged into S1-242293 |
| 31 | 8.2 | [**S1-242103**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242103.zip) | China Unicom | China Unicom 6G Interest Area | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | DP for showing 6G interest area Skeleton and use case format within 2 slides. |  | Merged into S1-242293 |
| 32 | 8.2 | [**S1-242106**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242106.zip) | NTT DOCOMO | Area of Interest Network Operation | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 33 | 8.2 | [**S1-242107**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242107.zip) | NTT DOCOMO | Area of Interest NTN | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 34 | 8.2 | [**S1-242119**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242119.zip) | Qualcomm India Pvt Ltd | 6G Study TR Structure | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 35 | 8.2 | [**S1-242124**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242124.zip) | Futurewei Technologies | key areas consideration for SA1 release-20 6G study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Futurewei's view on key study areas for 6G |  | Merged into S1-242293 |
| 36 | 8.2 | [**S1-242127**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242127.zip) | Xiaomi EV Technology | Proposal on documentation of Integrated Sensing and Communication use cases | discussion |  |  |  |  |  |  |  | Proposal on documentation of Integrated Sensing and Communication use cases |  | Merged into S1-242293 |
| 37 | 8.2 | [**S1-242129**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242129.zip) | Xiaomi EV Technology | Discussion on Robotaxi Communication | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Discussion on Robotaxi Communication |  | Merged into S1-242293 |
| 38 | 8.2 | [**S1-242130**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242130.zip) | Xiaomi EV Technology | Discussion on User-Oriented Connectivity | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Discussion on User-Oriented Connectivity |  | Merged into S1-242293 |
| 39 | 8.2 | [**S1-242134**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242134.zip) | NTT DOCOMO, SK Telecom, Intel | Areas of Interest Computing and network convergence | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 40 | 8.2 | [**S1-242135**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242135.zip) | NTT DOCOMO, Rakuten Mobile, SoftBank, KDDI | Areas of Interest Resilience | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 41 | 8.2 | [**S1-242147**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242147.zip) | NEC Corporation | 6G area of interests | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 42 | 8.2 | [**S1-242155**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242155.zip) | Apple | Proposal for SA1 6G Technical Report clauses | discussion |  |  |  |  |  |  |  |  |  | Merged into S1-242293 |
| 43 | 8.2 | [**S1-242160**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242160.zip) | China Telecommunications | Proposal for 6G TR skeleton | discussion |  |  |  |  |  |  |  |  |  | Merged into S1-242293 |
| 44 | 8.2 | [**S1-242161**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242161.zip) | NTT DOCOMO INC.. | Area of interest Energy Efficiency | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 45 | 8.2 | [**S1-242162**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242162.zip) | China Telecommunications | 6G area of interest | discussion |  |  |  |  |  |  |  |  |  | Merged into S1-242293 |
| 46 | 8.2 | [**S1-242165**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242165.zip) | OPPO | OPPO’s area of interest for 6G study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | OPPO’s area of interest for 6G study |  | Merged into S1-242293 |
| 47 | 8.2 | [**S1-242170**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242170.zip) | Orange UK | Discussion paper on objectives to be included in the 6G TR SID | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This discussion paper identifies 5 key objectives to be included in the 6G TR SID. |  | Merged into S1-242293 |
| 48 | 8.2 | [**S1-242189**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242189.zip) | CAICT | View on 6G interested area | discussion |  |  |  |  |  |  |  |  |  | Merged into S1-242293 |
| 49 | 8.2 | [**S1-242194**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242194.zip) | Reliance Jio | Reliance\_Jio\_6G\_Areas\_Of\_Interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Reliance Jio Views on 6G |  | Merged into S1-242293 |
| 50 | 8.2 | [**S1-242198**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242198.zip) | ZTE Corporation | Draft skeleton of the 6G use case and requirement TR | discussion |  |  |  |  |  |  |  | Propose draft skeleton to help the progress of the 6G SID |  | Merged into S1-242293 |
| 51 | 8.2 | [**S1-242200**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242200.zip) | CEWiT | Area of Interest for 6G usecases study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 52 | 8.2 | [**S1-242208**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242208.zip) | MediaTek Korea Inc. | MediaTek's 6G Area of Interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 53 | 8.2 | [**S1-242220**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242220.zip) | KDDI Corporation | Areas of interest for 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 54 | 8.2 | [**S1-242225**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242225.zip) | Beijing Xiaomi Electronics | 3GPP Stage 1 6G Study Areas of Interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 55 | 8.2 | [**S1-242236**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242236.zip) | Nokia | Proposed 6G areas of interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 56 | 8.2 | [**S1-242240**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242240.zip) | Ericsson | SA1 proposal for subchapters | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 56r | 8.2 | S1-242343 | InterDigital | Main Area of Interest - 6G Ecosystem Trust | discussion |  |  |  |  |  | Rel-20 |  | Replaces S1-242270 | S1-242270 was already Merged into S1-242293 | Noted. |
| 57 | 8.2 | [**S1-242246**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242246.zip) | Huawei | Huawei view - SA1 6G SID Areas of Interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Justification of the 6+1 Areas of Interest to be included in the 6G study as the starting point of the study. |  | Merged into S1-242293 |
| 58 | 8.2 | [**S1-242270**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242270.zip) | InterDigital | Main Area of Interest - 6G Ecosystem Trust | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Merged into S1-242293 |
| 59 | 8.2 | [**S1-242271**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242271.zip) | NTIA | 6G Areas of Interest | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | NTIA areas of interest for 6G study |  | Merged into S1-242293 |
| 60 | 8.2 | [**S1-242273**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242273.zip) | MITRE Corporation | Views on Rel 20 IMT-2030 Areas of Interest: Homeland Security Focus | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Views on 6G Areas of Interest with Security/Homeland Focus |  | Merged into S1-242293 |
| 61 | 8.2 | [**S1-242132**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242132.zip) | NTT DOCOMO | TR skeleton for 6G SI | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Moved from 8.1 | Merged into S1-242293 |
| 62 | 8.2 | [**S1-242133**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242133.zip) | NTT DOCOMO | Discussion on 6G TR skeleton | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Moved from 8.1 | Merged into S1-242293 |
| 63 | 8.2 | [**S1-242237**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242237.zip) | Nokia | TR Skeleton for 6G SI | discussion |  |  |  |  |  |  |  |  | Moved from 8.1 | Merged into S1-242293 |
| 64 | 8.2 | [**S1-242247**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242247.zip) | Huawei | TR Skeleton of FS-6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Huawei view of FS-6G TR skeleton to capture the Areas of Interest, as the good starting point of pursuing the new study, | Moved from 8.1 | Merged into S1-242293 |
| 65 | 8.2 | S1-242066 | Dish Network | Unified Service Bus | discussion |  |  |  |  |  |  |  |  |  | Withdrawn |
| 66 | 8.2 | S1-242067 | Dish Network | 6G Native Support of TN and NTN Coexistence | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Withdrawn |
| 67 | 8.2 | [**S1-242076**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242076.zip) | NTT DOCOMO INC.. | Area of interest Energy Efficiency | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Withdrawn |
| 68 | 8.2 | [**S1-242079**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242079.zip) | ZTE, China Unicom, China Telecom | Draft skeleton of the 6G use case and requirement TR | discussion |  |  |  |  |  |  |  | Draft skeleton of the 6G SID TR to help the progress |  | Withdrawn |
| 01 | 8.3 | [**S1-242016**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242016.zip) | Deutsche Telekom AG | Discussion paper on the need of a new use case template for 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 02 | 8.3 | [**S1-242046**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242046.zip) | China Mobile | Discussion paper on new use case template | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 03 | 8.3 | [**S1-242057**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242057.zip) | CATT | Discussion on New Use Case Template for Rel-20 6G Study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 04 | 8.3 | [**S1-242080**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242080.zip) | ZTE Corporation | View on SA1 6G use case template | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 05 | 8.3 | [**S1-242125**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242125.zip) | Qualcomm India Pvt Ltd | Revised template for Use Cases and Requirements | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 06 | 8.3 | [**S1-242153**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242153.zip) | NTT DOCOMO INC.. | Discussion paper on new use case format | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 07 | 8.3 | [**S1-242227**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242227.zip) | Beijing Xiaomi Electronics | Considerations on SA1 Use Case Template for 6G Stage 1 study | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 08 | 8.3 | [**S1-242254**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242254.zip) | Nokia, KPN | Template for 6G High Level Requirements | other |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | To provide high-level requirements to enable 6G services considering learnings from 5G and lifecycle perspectives, a simplified template without pre-conditions, service flows and post-conditions is proposed. An example is provided in S1-24xxxx. For the SMARTER study in 5G, we used similar use case templates. |  | Noted |
| 09 | 8.3 | [**S1-242255**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242255.zip) | Nokia, KPN | Discussion on a simplified template for 6G high-level requirements | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | To provide system level requirements to enable 6G services considering learnings from 5G and lifecycle perspectives, a simplified template without pre-conditions, service flows and post-conditions is proposed in S1-24xxxx. For the SMARTER study in 5G, we used similar use case templates. An example applying the simplified template to migration and interworking aspects is provided to illustrate how this template works. |  | Noted |
| 10 | 8.3 | [**S1-242256**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242256.zip) | Nokia | Template for previous 3GPP system services for 6G Day-1 | other |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | In addition to new services derived from the new use cases envisioned for the 6G system, there exist already today a large number of services in the cellular networks of the current generations. It is envisioned that some of these existing services could be deemed as required for support in a 6G system from Day-1, while others are not. In the previous 3GPP System Services for 6G Day-1 section, it is proposed that services are listed and classified as being either required or not required for support in a 6G system, e.g. via consolidation of operator survey results. The list of services is derived from SA1 5G work items. |  | Noted |
| 11 | 8.3 | [**S1-242257**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242257.zip) | Nokia | Use case template with KV update | other |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Proposed revision of use case template to reflect their specific impact on economic, societal and environmental relevance. This template may only apply to new value-driven use cases of the selected areas of interest for 6G. |  | Noted |
| 12r | 8.3 | S1-242501 | China Mobile | Summary discussion Use Case Template Way forward |  |  |  |  |  |  |  |  | Replaces S1-242454 |  |  |
| 12 | 8.3 | S1-242454 | China Mobile | Summary discussion Use Case Template Way forward |  |  |  |  |  |  |  |  | For new scenarios  Option 1: Keep the existing use case template, all clauses mandatory to fulfill  Option 2: pre-condition, service flows and post-condition can be “not applicable”, and keep the clause number as usual  Option 3: Re-arrange pre-condition, service flows and post-condition as sub-clauses in description, those sub-clauses can be skipped if not needed.  For system operation/high level requirements: same options as above + Option 4: delete pre-condition, service flows and post-condition | Chair: Conclusion: Option 2 for new scenario, for now. We can revise the template at a future meeting as/if needed. | Revised to S1-242501 |
| 01 | 8.4 | [**S1-242024**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242024.zip) | SoftBank Corp. | SoftBank’s 6G Vision | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Localization of data processing and energy consumption through distributed networks.  ○ Consolidating and establishing various access methods and industries on the 6G network  infrastructure.  ○ Ensuring sustainable service delivery through a resilient network.  ○ Utilization of AI in network design, deployment, and automated operation.  ○ Maximizing the utilization of core network assets up until 5G. |  | Noted |
| 02 | 8.4 | S1-242042 | Airbus | Airbus views on 6G positioning use cases | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-242159 |
| 03 | 8.4 | [**S1-242159**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242159.zip) | Airbus | Airbus views on 6G positioning use cases | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Note: this TDoc supersedes S1-242042  Positioning is highlighted as a key driver for many IMT-2030 stakeholders  • Ubiquitous and resilient coverage also a key topic  – Together with energy efficiency for IoT use cases | Revision of S1-242042.  Huawei: 1-10 cm is mentioned but the use cases shown are rather showing 1 meter accuracy.  Airbus: indeed, anything lower than 50 cm would be very challenging to achieve | Noted |
| 04 | 8.4 | [**S1-242094**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242094.zip) | Meta USA | Meta’s view on 6G | discussion |  |  |  |  |  |  |  | Aim for 6G: Wearable on the go.  ● Input can be done by hand  gestures and voice control (use of  AI is expected).  ● QoE can be enhanced with  surrounding devices collaboration  to achieve better throughput, less  thermal impacts, and more  compute.  Main challenge is weight | Mediatek: fully in line with Meta’s view. | Noted |
| 05 | 8.4 | [**S1-242118**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242118.zip) | Iridium Satellite LLC | Advancing PNT from space using LEO for improved timing and positioning in 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | Iridium proposes Satellite based solution to PNT (Positioning, Navigation and Timing) via Low Earth Orbit Satellites. |  | Noted |
| 06 | 8.4 | [**S1-242146**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242146.zip) | NEC Corporation | NEC views for 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Noted |
| 07 | 8.4 | [**S1-242154**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242154.zip) | ESA | ESA views on TN/NTN 6G Vision: Global Coverage for Integrated Connectivity and Positioning | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | NTN is an Enabler of ubiquitous connectivity and positioning through spatial diversity (HAPS, LEO,  MEO, GEO) and wide area coverage. Native NTN from the outset of 6G is required. |  | Noted |
| 08 | 8.4 | [**S1-242191**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242191.zip) | Spreadtrum Communications | Views on 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  | Nobody to present. | Noted |
| 09 | 8.4 | [**S1-242195**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242195.zip) | Reliance Jio | Reliance\_Jio\_6G\_Views | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | This is proposed to structure the 6G work with 1st big basic umbrella on Network operation and n “sub-Building Block” on ISAC, Immersive Communication, HRLLC, etc. |  | Noted |
| 10 | 8.4 | [**S1-242201**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242201.zip) | CEWiT | Priorities on 6G Use cases | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-242328 |
| 11 | 8.4 | S1-242328 | CEWiT | Priorities on 6G Use cases | discussion |  |  |  |  |  | Rel-20 |  | Replaces S1-242201.  Key 6G priorities are:  Ubiquitous, affordability, and Sustainability are prime asks from 6G Technology  Improvisation and optimization of 5G services along with new demanding use case are to be strived.  Market/regional demand at the core of 6G studies | Revision of S1-242201. | Noted |
| 12 | 8.4 | [**S1-242258**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242258.zip) | TELEFONICA S.A. | Telefonica's view on 6G | other |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  |  |  | Revised to S1-242294 |
| 13 | 8.4 | S1-242294 | TELEFONICA S.A. | Telefonica's view on 6G | other |  |  |  |  |  | Rel-20 |  | Replaces S1-242258  Conclusion on 6G VISION  • Leverage 5G SBA, slicing and exposure capabilities  • Need to manage 5G Architecture corrections required in the medium term  • Basic at first: voice, messaging roaming, session continuity, etc…  • Security definition in line with Quantum computing capabilities  • Improving Cloud Nativeness and integration with Infra.  • Simple upgrades in architecture and deep changes only due to market demand.  • Device management improvement.  • More scalability, and availability, supporting critical services.  • Need to widen industry consultation when defining 6G requirements and priorities  • Need to have a clear view on role and responsibility of the full ecosystem for 6G work. | Revision of S1-242258. | Noted |
| 14 | 8.4 | [**S1-242113**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_107_Maastricht/Docs/S1-242113.zip) | Iridium Satellite LLC | Advancing PNT from space using LEO for improved timing and positioning in 6G | discussion |  |  |  |  |  | [**Rel-20**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=195) |  | GNSS is critical but vulnerable. Without a backup or an alternate, even a minor disruption can lead to major consequences. A parallel solution ensures resilience and continuous reliability. We propose another/additional Satellite based solution to PTN, via LEO Satellites. |  | Withdrawn |
|  | 99 | S1-242314 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242373 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242377 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242398 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242423 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242424 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242425 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242426 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242427 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242428 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242429 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242430 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242431 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242432 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242433 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242434 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242435 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242436 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242437 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242438 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242439 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242440 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242441 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242442 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242443 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242444 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242445 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242446 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242447 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242448 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242457 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242458 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242459 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242466 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242467 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242468 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-242469 | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Not used |