**3GPP TSG-SA WG1 Meeting #104**

**Chicago, USA, 13 - 17 November 2023**

# tdoc list SA1#104 version November 17 END OF MEETING

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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 | [S1-233000](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233000.zip) | SA1 Chairperson | 1st Draft Agenda for SA1#104 | agenda |  |  |  |  |  |  |  |  |  | Revised to S1-233001 |
| 02 | 1.1 | [S1-233001](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233001.zip) | SA1 Chairperson | 2nd Draft Agenda for SA1#104 | agenda |  |  |  |  |  |  |  |  | Revision of S1-233000. | Revised to S1-233002 |
| 02 | 1.3 | [S1-233004](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233004.zip) | ETSI MCC | Draft minutes of previous SA1 meeting | report |  |  |  |  |  |  |  |  |  | Revised to S1-233005 |
| 03 | 1.3 | S1-233005 | ETSI MCC | Minutes of previous SA1 meeting | report |  |  |  |  |  |  |  |  | Revision of S1-233004. | Approved |
|  | 2 | S1-233011 | Not allocated |  |  |  |  |  |  |  |  |  |  |  | Not allocated |
| 01 | 2 | [**S1-233006**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233006.zip) | SA1 vice chair | SA1-related topics at SA#101 | report |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 2 | [S1-233010](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233010.zip) | SA1 Chairperson, MCC | Process for SA1 Rel-20 content planning | other |  |  |  |  |  |  |  |  | ZTE, Apple agree and support with this planning.  It is clarified that some (big) topics can be split on the two parts.  It results in a compromise.  For Ericsson, having 6 topics for 6G is not realistic - they reminded that it was about 30 to 40 topics for 5G. So it should be one SID only for 6G, with quite a few topics within the SID.  Huawei pointed out that the basic principle is that 3GPP work is consensus-based, these are just guidelines. So if one more meeting is needed to approved the "6G" SID, then it will be until SA1#108 if needed.  How government will be treated? participants to workshop or 3GPP delegates? SA1 chair: basically, as 3GPP delegate.  General support for the workshop.  T-Mobile: 10 MRPs in a quarter of a day, that might be tough to handle. | Endorsed |
| 03 | 2 | [S1-233002](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233002.zip) | SA1 Chairperson | Agenda for SA1#104 | agenda |  |  |  |  |  |  |  |  |  | Agreed |
| 03 | 2 | [S1-233009](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233009.zip) | SA1 Chairperson, MCC | Cleaning Rel-18 Stage 1 | other |  |  |  |  |  |  |  |  | dedicated drafting on Wednesday 8-9 | Revised to S1-233285 |
| 04 | 2 | [S1-233285](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233285.zip) | SA1 Chairperson, MCC | Cleaning Rel-18 Stage 1 | other |  |  |  |  |  |  |  | Revision of S1-233009. | Revision of S1-233009. | Revised to S1-233292 |
| 05 | 2 | S1-233292 | SA1 Chairperson, MCC | Cleaning Rel-18 Stage 1 | other |  |  |  |  |  |  |  | Replaces S1-233285 | Revision of S1-233009. Revision of S1-233285. | Endorsed |
| 06 | 2 | [S1-233003](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233003.zip) | ETSI MCC | Extract of the 3GPP Work Plan for SA1#104 | Work Plan |  |  |  |  |  |  |  |  |  | Noted |
| 07 | 2 | [S1-233007](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233007.zip) | ETSI MCC | MCC info on CR Rules | other |  |  |  |  |  |  |  |  |  | Noted |
| 08 | 2 | [S1-233008](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233008.zip) | ETSI MCC | MCC info on WID names | other |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 3 | [**S1-233012**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233012.zip) | C1-236565 | LS on the requirements for slice-based PLMN selection | LS in |  |  |  |  |  |  |  |  |  | Replied 3272 |
| 03 | 3 | [**S1-233013**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233013.zip) | ZTE | Discussion related to the LS from CT1 on the requirements for slice-based PLMN selection | discussion |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 04 | 3 | [**S1-233014**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233014.zip) | ZTE | Reply LS on requirements for slice-based PLMN selection | LS out |  |  |  |  |  |  |  |  |  | [Revised to S1-233018](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1496426) |
| 05 | 3 | [**S1-233018**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233018.zip) | ZTE | Reply LS on requirements for slice-based PLMN selection | LS out |  |  |  |  |  |  |  | [Revision of S1-233014](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1494442) | Revision of S1-233014. | Noted |
| 06 | 3 | [**S1-233019**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233019.zip) | ZTE FRANCE SASU | Clarification to Slice based PLMN Selection when roaming | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0729 |  | F | 18.11.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [EASNS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910032) |  | Revision of S1-233014. | Noted |
| 07 | 3 | [**S1-233015**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233015.zip) | Nokia Germany | Reply LS on the requirements for slice-based PLMN selection | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 08 | 3 | [**S1-233030**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233030.zip) | Nokia, Nokia Shanghai Bell | Prioritization information VPLMNs for a UE to register for network slices | CR | [22.011](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0353 |  | C | 18.5.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [TEI18](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) |  |  | Noted |
| 09 | 3 | [**S1-233031**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233031.zip) | Nokia, Nokia Shanghai Bell | Prioritization information VPLMNs for a UE to register for network slices | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0731 |  | C | 18.11.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [TEI18](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) |  |  | Noted |
| 10 | 3 | [**S1-233016**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233016.zip) | Ericsson LM | Discussion paper for "LS on the requirement for slice based PLMN selection" | discussion | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 11 | 3 | [**S1-233038**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233038.zip) | Ericsson | Clarification of usage of default slice in roaming | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0733 |  | F | 18.11.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [EASNS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910032) |  |  | Revised to S1-233250 |
| 12 | 3 | [S1-233250](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233250.zip) | Ericsson | Clarification of usage of default slice in roaming |  |  |  |  |  |  |  |  |  | Revision of S1-233038.  The requirement is deleted in Rel-18 (but stays in Rel-19), so the problem is solved for Rel-18 - but still has to be solved for Rel-19.  Typos on the cover. | Revised to S1-233271 |
| 13 | 3 | [S1-233271](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233271.zip) | Ericsson | Clarification of usage of default slice in roaming |  |  |  |  |  |  |  |  | Replaces S1-233250 | Revision of S1-233038. Revision of S1-233250. Clean cover page. Date and reason for change. | Agreed |
| 14 | 3 | [**S1-233212**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233212.zip) | Deutsche Telekom | Clarification for change of networks considering the slice | CR | [22.011](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0357 |  | F | 18.5.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [EASNS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910032) |  |  | Noted |
| 15 | 3 | [**S1-233017**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233017.zip) | Ericsson LM | Reply LS to LS on the requirements for slice-based PLMN selection | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | [Revised to S1-233037](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1498943) |
| 16 | 3 | [**S1-233037**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233037.zip) | Ericsson LM | Reply LS to LS on the requirements for slice-based PLMN selection | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | [Revision of S1-233017](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1496145) | Revision of S1-233017. | Merge into S1-233251 |
| 17 | 3 | **[S1-233023](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233023.zip)** | Deutsche Telekom | Reply LS on requirements for slice-based PLMN selection | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [PLMNsel\_NS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000023) |  |  | [Revised to S1-233078](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1502121) |
| 18 | 3 | [**S1-233078**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233078.zip) | Deutsche Telekom | Reply LS on requirements for slice-based PLMN selection | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [PLMNsel\_NS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000023) | [Revision of S1-233023](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1497598) | Revision of S1-233023. | Revised to S1-233251 |
| 19 | 3 | [S1-233251](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233251.zip) | Deutsche Telekom | Reply LS on requirements for slice-based PLMN selection | LS out |  |  |  |  |  |  |  |  | Revision of S1-233023, 3078.  CR to be added as attachment. | Revised to S1-233272 |
| 20 | 3 | [S1-233272](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233272.zip) | Deutsche Telekom | Reply LS on requirements for slice-based PLMN selection | LS out |  |  |  |  |  |  |  | Replaces S1-233251 | Revision of S1-233023. Revision of S1-233078. Revision of S1-233251. Attached the file. | Agreed |
| 21 | 3 | [**S1-233021**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233021.zip) | Deutsche Telekom | Discussion of slice-based PLMN selection / LS S1-233012 | discussion |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [PLMNsel\_NS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000023) |  |  | Noted |
| 22 | 3 | [**S1-233022**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233022.zip) | Deutsche Telekom | Clarification for change of networks considering the slice | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0730 |  | F | 18.11.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | EASNS,PLMNsel\_NS |  |  | Noted |
| 23 | 3 | [**S1-233024**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233024.zip) | Huawei Technologies R&D UK | Discussion on the requirements for slice-based PLMN selection | discussion |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | [Revised to S1-233045](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1499237) |
| 24 | 3 | [**S1-233045**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233045.zip) | Huawei Technologies R&D UK | Discussion on the requirements for slice-based PLMN selection | discussion |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | [Revision of S1-233024](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1497645) | Revision of S1-233024. | Noted |
| 25 | 3 | [**S1-233035**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233035.zip) | China Mobile (Hangzhou) Inf. | Discussion prioritization information provided by HPLMN | discussion |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 26 | 3 | [**S1-233036**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233036.zip) | China Mobile | Update requirement on supporting network selection for roaming UE for clarification | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0732 |  | F | 18.11.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [TEI18](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) |  |  | Noted |
| 27 | 3 | [**S1-233039**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233039.zip) | Qualcomm | Draft reply LS on Slice based NW selection | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 28 | 3 | [**S1-233040**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233040.zip) | Qualcomm | Discussion on slice based NW selection | other |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 29 | 3 | [**S1-233041**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233041.zip) | Qualcomm | Slice based NW selection\_Clarification CR | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0734 |  | F | 18.11.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [EASNS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910032) |  |  | Noted |
| 31 | 3 | [S1-233234](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233234.zip) | C1-236567 | LS on the service requirement of restricting satellite access RAT type | LS in |  |  |  |  |  |  |  | CT1 ask SA1 guidance on whether, in terms of the service requirement, disabling or blocking satellite access is acceptable when the user does not have a subscription for satellite access. | See proposed answers from different companies in the next docs. | Replied in 3296. |
| 32 | 3 | [**S1-233083**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233083.zip) | LG Electronics | [draft] Reply LS on the service requirement of restricting satellite access RAT type | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [5GSAT\_Ph2](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=989998) | LGE state that this is already cover, and provide a CR just for clarification. |  | Merge into S1-233273 |
| 33 | 3 | [**S1-233084**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233084.zip) | LG Electronics | Service Requirement on the usage of a particular RAT based on subscription | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0736 |  | F | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI19](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=980130) | The CR proposes to clarify that: "Based on operator policy, UE capabilities and subscriptions, the 5G system shall provide means for a UE to be allowed and/or restricted the usage of a particular RAT in a network." |  | Noted |
| 34 | 3 | [**S1-233203**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233203.zip) | Apple | Reply LS on the service requirement of restricting satellite access RAT type | LS out |  |  |  |  |  |  |  | Also for Apple, this is already covered. |  | Revised to S1-233273 |
| 35 | 3 | [S1-233273](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233273.zip) | Apple | Reply LS on the service requirement of restricting satellite access RAT type | LS out |  |  |  |  |  |  |  | Replaces S1-233203 | Revision of S1-233203. | Revised to S1-233294 |
| 36 | 3 | S1-233294 | Apple | Reply LS to CT1 (cc SA2, RAN2) on the service requirement of restricting satellite access RAT type | LS out |  |  |  |  |  |  |  | Replaces S1-233273.  Proposed answer: SA1 has no explicit requirement to restrict the usage of satellite access in a PLMN. However, more generic requirements exist (in clauses 6.3.2 and 6.19 of TS 22.261, and clause 7.1 of TS 22.011 since Rel-15) that allow a network operator to restrict usage of specific access technology combinations within a PLMN.  SA1’s view is that these requirements cover the case described by CT1. | Revision of S1-233203. Revision of S1-233273. | Revised to S1-233296 |
| 36r | 3 | S1-233296 | Apple | Reply LS to CT1 (cc SA2, RAN2) on the service requirement of restricting satellite access RAT type | LS out |  |  |  |  |  |  |  | Replaces S1-233294 |  | Agreed |
| 37 | 3 | [**S1-233215**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233215.zip) | Google Inc. | Reply LS on the service requirement of restricting satellite access RAT type | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [TEI18](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | Proposed answer is to state that SA1 would like to inform that the 5G system should support a mechanism to either disallow or to allow the usage of satellite access to the 5G system based on opertor's policies or by subscription. SA1 also agreed CRs against TS 22.261 for clarifying a service requirement as written above. |  | Noted |
| 38 | 3 | [**S1-233217**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233217.zip) | Google Inc., Samsung | Clarification of restriction on access | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0757 |  | F | 18.11.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | TEI18,SMARTER | The proposed CR is to clarify that: "Based on operator policy, the 5G system shall be able to restrict subscribers from using one or more specific access technologies amongst multiple access technologies supported by the 5G network." | LG and Apple believe that this is already covered, while Google and Samsung believe that a new requirement is needed.  Supporting LG/Apple answer (no need for new req): 13-14 companies  Supporting Google answer (need for a new req): 8 companies | Noted |
| 39 | 3 | [**S1-233218**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233218.zip) | Google Inc., Samsung | Clarification of restriction on access | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0758 |  | A | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | TEI18,SMARTER |  | Wrong CR number | Noted |
| 40 | 3 | [**S1-233216**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233216.zip) | Google Inc., MediaTek Inc., Vodafone, Samsung, AT&T, DISH Network | Discussion on the service requirement of restricting satellite access RAT type | discussion |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | TEI18,SMARTER |  |  | Noted |
| 42 | 3 | [S1-233236](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233236.zip) | S2-2311881 | LS to clarify PS Data Off exemption for services over IMS DC | LS in |  |  |  |  |  |  |  | SA2 asks SA1 to clarify how the term “Services” in “Services over IMS Data Channel” needs to be interpreted, and whether applications using IMS Data Channel should be configurable separately for PS data off exempt or all applications over IMS Data Channel should be treated in the same way. | See different proposals in the next documents. | Postponed |
| 43 | 3 | [**S1-233032**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233032.zip) | Deutsche Telekom | Reply LS on PS Data Off exemption for services over IMS DC | LS out |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_NG\_RTC\_Ph2](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1010030) | DT''s proposed answer: All applications over IMS Data Channel should be treated in the same way. SA1 has agreed the attached CR to clarify the requirement. |  | Revised to S1-233291 |
| 44 | 3 | [S1-233291](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233291.zip) | Deutsche Telekom | Reply LS on PS Data Off exemption for services over IMS DC | LS out |  |  |  |  |  | Rel-19 | FS\_NG\_RTC\_Ph2 | Replaces S1-233032 | Revision of S1-233032. | Noted |
| 45 | 3 | [**S1-233034**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233034.zip) | Deutsche Telekom | Clarification of PS Data Off exemption for services over Data Channel | CR | [22.011](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0354 |  | F | 19.2.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI19](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=980130) |  |  | Noted |
| 46 | 3 | [**S1-233104**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233104.zip) | Qualcomm | Reply LS on PS Data Off exemption for services over IMS DC | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 47 | 3 | [**S1-233044**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233044.zip) | vivo | Reply LS on PS Data Off exemption for services over IMS DC | LS out |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 48 | 3 | [**S1-233043**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233043.zip) | vivo | Discussion on PS Data Off exemption for services over IMS DC | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 49 | 3 | [**S1-233118**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233118.zip) | China Mobile, Huawei | Reply LS to clarify PS Data Off exemption for services over IMS DC | LS out |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Proposed China Mobile's answer: In the related SA1 discussion, companies expressed different views on how this feature would be used. Depending on business models and network deployment, some might require applications using IMS Data Channel be configurable separately for PS data off exempt while some might need all applications over IMS Data Channel be treated in the same way.  The requirement (of supporting PS data off exempt for services over IMS Data Channel) is therefore clarified in the agreed CR to allow flexibility for operators, according to business models and/or network deployment, to configure the intended services over IMS data channel as part of the 3GPP PS Data Off Exempt Services. | For Huawei, SA1 is not the best place for discussing this topic.  DT: let's check where this LS comes from. Users don't want to pay for data transmission over IMS, which is legitimate. But this implies that there is a distinction to be made between using services and signalling.  No differenciation between data services (DT and QC view):  Differentiation needed : (China mobile, vivo): 4 companies | Noted |
| 50 | 3 | [**S1-233119**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233119.zip) | China Mobile, Huawei | Clarification on the PS Data Off exemption for services over Data Channel | CR | [22.011](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0355 |  | F | 19.2.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [IMSDCDataOff](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990049) |  | Cont | Revised to S1-233287 |
| 52 | 3 | [**S1-233149**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233149.zip) | Huawei, China Mobile | Discussion on PS Data Off exemption for services over IMS DC | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 52rr | 3 | S1-233340 | Samsung | Proposed answer to LS to ITU-T FG-MV on definition of metaverse | LS out |  |  |  |  |  |  |  | Replaces S1-233437 | Also 3440 was allocated to this | Agreed |
| 54 | 3 | [S1-233243](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233243.zip) | sp17-fg-mv-oLS-00027 | LS on definition of metaverse | LS in |  |  |  |  |  |  |  | ITU proposes the following definition:  “Metaverse is an integrative and unified ecosystem of virtual worlds, which is based on interoperable Internet-based and enhanced reality systems and offers immersive experiences to individuals during their digital and synchronous interactions, and new value generation opportunities to organizations.” |  | Proposed answer in S1-233268 |
| 55 | 3 | [S1-233268](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233268.zip) | Samsung | Proposed answer to LS on definition of metaverse | LS out |  |  |  |  |  |  |  | Proposed answer to S1-233243 |  | Revised to S1-233437 |
| 56 | 3 | S1-233437 | Samsung | Proposed answer to LS to ITU-T FG-MV on definition of metaverse | LS out |  |  |  |  |  |  |  | Replaces S1-233268 | Revision of S1-233268. | Revised to S1-233440 |
| 57 | 3 | S1-233440 | Samsung | Proposed answer to LS to ITU-T FG-MV on definition of metaverse | LS out |  |  |  |  |  |  |  | Replaces S1-233437 | Revision of S1-233268. Revision of S1-233437.  Double number allocated (3340 and 3440) | Withdrawn |
| 58 | 3 | [S1-233241](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233241.zip) | sp17-fg-mv-oLS-00020 | LS on request to provide the standardization status for metaverse cross-platform interoperability | LS in |  |  |  |  |  |  |  |  | to be discussed with the metaverse | postponed |
| 59 | 3 | [S1-233286](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233286.zip) | Nokia (LW) | LS answer on request to provide the standardization status for metaverse cross-platform interoperability | LS out |  |  |  |  |  |  |  | answer to S1-233241, sp17-fg-mv-oLS-00020 | Revision of S1-233150. | Revised to S1-233441 |
| 60 | 3 | S1-233441 | Nokia (LW) | LS answer to TU-T Focus Group on metaverse (FG-MV) WG5 (cc SA4) on request to provide the standardization status for metaverse cross-platform interoperability | LS out |  |  |  |  |  |  |  | Replaces S1-233286 | Revision of S1-233286.  More off-line discussions needed. No conclusion at this meeting | Noted |
| 62 | 3 | [S1-233237](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233237.zip) | S5-235364 | Reply to LS on customer acceptance of limited QoS degradation to save energy in the network | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 63 | 3 | [S1-233242](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233242.zip) | sp17-fg-mv-oLS-00026 | LS on Results of the third meeting of the FG-MV | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 64 | 3 | [S1-233244](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233244.zip) | sp17-sg20-oLS-00108 | LS on determination of draft Recommendation ITU-T Y.4225 (ex Y.dt-ITS) ""Requirements and capability framework of digital twin for intelligent transport system"" | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 65 | 3 | [S1-233245](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233245.zip) | sp17-sg20-oLS-00109 | LS on the draft Technical Report ITU-T YSTR.Ambient IoT ""Analysis on requirements and use cases of ambient power-enabled IoT"" | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 66 | 3 | [S1-233231](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233231.zip) | GSMA 5GMRR Doc 44\_11 | Reply LS to S3-234350 on potential solution for Roaming Hubs | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 67 | 3 | [S1-233246](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233246.zip) | SP-231203 | Reply LS on Roaming Hubs | LS in |  |  |  |  |  |  |  |  |  | Answered in 3340 |
| 68 | 3 | [S1-233247](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233247.zip) | GSMA 5GMRR Doc 45\_13r7 | Elaborated LS reply to S3-234350 on Roaming Hub requirements as applicable to the Modified PRINS solution | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 69 | 3 | [S1-233248](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233248.zip) | GSMA 5GMRR Doc 45\_14r7 | Elaborated LS reply to S3-234350 on IPX Service Hub requirements as applicable to the Modified PRINS solution | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 70 | 3 | [S1-233230](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233230.zip) | 2023\_09\_09\_5G-ACIA\_LS\_3GPP\_5G\_Sidelink | Using 5G sidelink in industrial factory applications – use cases and requirements | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 71 | 3 | [S1-233232](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233232.zip) | GSMA 5GMRR Doc 44\_36r1 | LS reply to S3-233786 and S3-234296 on the introduction of the domain ""ipxnetwork.org"" and clarifications of the Outsourced SEPP and Hosted SEPP deployment scenarios | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 72 | 3 | [S1-233235](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233235.zip) | C4-234666 | LS on modifications for PRINS middle box | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 73 | 3 | [S1-233238](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233238.zip) | S5-235752 | LS on charging aspects of AI/ML traffic | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 74 | 3 | [S1-233239](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233239.zip) | S5-235778 | Reply to LS on 3GPP work on energy efficiency | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 75 | 3 | [S1-233240](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233240.zip) | S6-232609 | Reply to LS addressing packet loss | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 76 | 3 | [S1-233233](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233233.zip) | C1-236565 | LS on the requirements for slice-based PLMN selection | LS in |  |  |  |  |  |  |  |  |  | Withdrawn |
| 02 | 4 | [**S1-233072**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233072.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | [Revision of S1-232652](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1481630) | Moved from 7.2.2 | Revised to S1-233265 |
| 04 | 4 | [S1-233405](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233405.zip) | OPPO | New WID on Ambient power-enabled Internet of Things | WID |  |  |  |  |  |  |  |  | Moved from 7.2.2 Revision of S1-233072. Revision of S1-233265.  Clean-up needed | Revised to S1-233414 |
| 04r | 4 | S1-233414 | OPPO | New WID on Ambient power-enabled Internet of Things | WID |  |  |  |  |  |  |  | Replaces S1-233405 |  | Agreed. |
| 05 | 4 | [**S1-233106**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233106.zip) | Qualcomm | New WID\_DualSteer | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-233336 |
| 05r | 4 | S1-233336 | Qualcomm | New WID\_DualSteer | WID new |  |  |  |  |  | Rel-19 |  | Replaces S1-233106 | More off-meeting discussions needed | Revised to S1-233345 |
| 05rr | 4 | S1-233345 | Qualcomm | New WID\_DualSteer | WID new |  |  |  |  |  | Rel-19 |  | Replaces S1-233336 |  | Revised to S1-233372 |
| 05rrr | 4 | S1-233372 | Qualcomm | New WID\_DualSteer | WID new |  |  |  |  |  | Rel-19 |  | Replaces S1-233345 |  | Agreed |
| 06 | 4 | [**S1-233107**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233107.zip) | Qualcomm | DualSteer normative requirements | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0739 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) |  | Update WI Code | Revised to S1-233337 |
| 06r | 4 | S1-233337 | Qualcomm | DualSteer normative requirements | CR | 22.261 | 0739 | 1 | B | 19.4.0 | Rel-19 | DUMMY | Replaces S1-233107 |  | Revised to S1-233347 |
| 06rr | 4 | S1-233347 | Qualcomm | DualSteer normative requirements | CR | 22.261 | 0739 | 2 | B | 19.4.0 | Rel-19 | DUMMY | Replaces S1-233337 |  | Revised to S1-233371 |
| 06rrr | 4 | S1-233371 | Qualcomm | DualSteer normative requirements | CR | 22.261 | 0739 | 3 | B | 19.4.0 | Rel-19 | DUMMY | Replaces S1-233347 | The Chair congratulated all the involved parties on finally reaching a compromise. | Agreed |
| 07 | 4 | [**S1-233180**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233180.zip) | Huawei, Mediatek, Hispasat | New WID on all traffic access switching (ATAS) - FS-DualSteer way forward | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 07 | 4 | [S1-233277](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233277.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Correction of requirement in subclause 6.3 (Multiple access technologies) | CR | 22.261 | 0753 | 1 | A | 18.11.0 | Rel-18 | TEI16 | Replaces S1-233184 | Revision of S1-233028. | Agreed |
| 08 | 4 | [**S1-233177**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233177.zip) | Huawei, Mediatek, Hispasat | ATAS (all traffic access switching) Normative requirements | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0750 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) |  | Update WI Code | Noted |
| 09 | 4 | [**S1-233061**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233061.zip) | Intel, Cisco Systems, Novamint | New mini-WID on Scalable Interconnect of SNPN | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | [Revision of S1-232158](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1470029) | Moved from 7.11 | Revised to S1-233464 |
| 10 | 4 | S1-233464 | Intel, Cisco Systems, Novamint | New mini-WID on Scalable Interconnect of SNPN |  |  |  |  |  |  |  |  |  | Revision of S1-233061. | Revised to S1-233474 |
| 11 | 4 | S1-233474 | Intel, Cisco Systems, Novamint | New mini-WID on Scalable Interconnect of SNPN |  |  |  |  |  |  |  |  |  | Revision of S1-233061. Revision of S1-233464.  "SNPN" should appear in the acronym  mismatch in the title | Revised to S1-233477 |
| 12 | 4 | S1-233477 | Intel, Cisco Systems, Novamint | New mini-WID on Scalable Interconnect of SNPN | WID |  |  |  |  |  |  |  | Replaces S1-233474 | Revision of S1-233061. Revision of S1-233464. Revision of S1-233474. | Noted |
| 13 | 4 | [**S1-233062**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233062.zip) | Intel, Cisco Systems, Novamint | Service requirements for Scalable SNPN Interconnect with dynamic connections | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0715 | 1 | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | [Revision of S1-232161](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1470095) | Moved from 7.11 WI Dummy Rel-19 CR0715R1 Cat B Update WI Code, why rev 1? | Revised to S1-233478 |
| 14 | 4 | S1-233478 | Intel, Cisco Systems, Novamint | Service requirements for Scalable SNPN Interconnect with dynamic connections | CR | 22.261 | 0715 | 2 | B | 19.4.0 | Rel-19 | DUMMY | Replaces S1-233062 | Revision of S1-233062. | Noted |
| 16 | 4 | [**S1-233153**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233153.zip) | China Telecom | New WID on Slice-based NPN selection | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 17 | 4 | [**S1-233154**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233154.zip) | China Telecom | Support of slice-based NPN selection | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0746 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) |  |  | Noted |
| 18 | 4 | [**S1-233155**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233155.zip) | China Telecom | Discussion on Slice-based NPN selection | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 18rr | 4 | S1-233578 | Orange Spain | Timestamp Information Exposure for critical IoT Applications | WID new |  |  |  |  |  | Rel-19 |  | Replaces S1-233575 |  | Revised to S1-233583 |
| 18rrr | 4 | S1-233583 | Orange Spain | Timestamp Information Exposure for critical IoT Applications | WID new |  |  |  |  |  | Rel-19 |  | Replaces S1-233578 | Corresponding CR in 3591. | Agreed |
| 19 | 4 | [**S1-233219**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233219.zip) | NOVAMINT, b-com, EDF | new mini-WID on Network Selection SNPN | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 20 | 4 | [**S1-233220**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233220.zip) | NOVAMINT, b-com, EDF | Add SNPN network Selection to TS 22.261 | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0759 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) |  | Update WI Code | Noted |
| 21 | 4 | [**S1-233221**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233221.zip) | NOVAMINT | Add SNPN network Selection to TS 22.011 | CR | [22.011](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0358 |  | B | 19.2.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) |  | Update WI Code | Noted |
| 22 | 4 | [**S1-233195**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233195.zip) | Orange Spain | Timestamp Information Exposure for critical IoT Applications | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-233575 |
| 23 | 4 | S1-233575 | Orange Spain | Timestamp Information Exposure for critical IoT Applications | WID new |  |  |  |  |  | Rel-19 |  | Replaces S1-233195 | change DT to Deutsche Telekom AG in the WID | Revised to S1-233578 |
| 24 | 4 | [**S1-233196**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233196.zip) | Orange Spain | Add requirements on Timestamp Information Exposure for critical IoT Applications | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0756 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) |  | Moved from 7.12 | Revised to S1-233576 |
| 25 | 4 | S1-233576 | Orange Spain | Add requirements on Timestamp Information Exposure for critical IoT Applications | CR | 22.261 | 0756 | 1 | B | 19.4.0 | Rel-19 | DUMMY | Replaces S1-233196 | Still some open points for Nokia | Revised to S1-233588 |
| 26 | 4 | S1-233588 | Orange Spain | Add requirements on Timestamp Information Exposure for critical IoT Applications | CR | 22.261 | 0756 | 2 | B | 19.4.0 | Rel-19 | DUMMY | Replaces S1-233576 | Moved from 7.12 Revision of S1-233196. Revision of S1-233576. | Revised to S1-233591 |
| 26r | 4 | S1-233591 | Orange Spain | Add requirements on Timestamp Information Exposure for critical IoT Applications | CR | 22.261 | 0756 | 3 | B | 19.4.0 | Rel-19 | DUMMY | Replaces S1-233588 | Objected by Qualcomm, so not SA1-agreed. Orange will bring this CR as a company contribution to SA plenary. | Noted. |
| 27 | 4 | [**S1-233029**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233029.zip) | one2many B.V. | MiniWID on Duplication Detection | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | Moved from 7.12 | Noted |
| 28 | 4 | [**S1-233025**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233025.zip) | one2many B.V. | Duplication Detection based on content | CR | [22.268](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=639) | 0080 |  | C | 18.3.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI19](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=980130) |  | Moved from 7.12 WI TIE\_IoTAPP Rel-19 CR0756R- Cat B | Noted |
| 29 | 4 | [**S1-233026**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233026.zip) | one2many B.V. | Discussion Paper on duplication detection | discussion | [22.268](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=639) |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI19](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=980130) |  | Moved from 7.12 | Noted |
| 31 | 4 | [**S1-233028**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233028.zip) | InterDigital | New SID: Study on distributed device and user-centric trust | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-233577 |
| 32 | 4 | S1-233577 | InterDigital | New SID: Study on distributed device and user-centric trust | SID new |  |  |  |  |  |  |  | Replaces S1-233028 | Huawei and Futurewei think that this is rather a 6G (Part 2) SID | Noted |
| 33 | 4 | [**S1-233027**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233027.zip) | InterDigital | Motivation for study on distributed device and user-centric trust | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 34 | 4 | [**S1-233042**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233042.zip) | IIT Bombay, Tejas Networks | New SID: Study on Ubiquitous Connectivity | SID new |  |  |  |  |  |  |  |  |  | Noted |
| 35 | 4 | [**S1-233046**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233046.zip) | IIT Bombay, Tejas Networks | Motivation for study on Ubiquitous Connectivity | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 36 | 4 | [**S1-233050**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233050.zip) | Xiaomi | New SID on Study on Integrated Sensing and Communication Phase 2 | SID new |  |  |  |  |  |  |  |  | Merged with 3108 | Revised to S1-233530 |
| 37 | 4 | S1-233530 | Xiaomi | New SID on Study on Integrated Sensing and Communication Phase 2 | SID new |  |  |  |  |  |  |  | Replaces S1-233050 | Apple wonder about "NRT ISAC service".  It is also considered as a 6G topic. | Noted |
| 38 | 4 | [**S1-233049**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233049.zip) | Xiaomi | Integrated Sensing and Communication Phase 2 | SID new |  |  |  |  |  |  |  |  | Max 4 content slides (rest must go to Annex) | Revised to S1-233264 |
| 39 | 4 | [S1-233264](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233264.zip) | Xiaomi | Integrated Sensing and Communication Phase 2 | SID new |  |  |  |  |  |  |  | Replaces S1-233049 | Max 4 content slides (rest must go to Annex) Revision of S1-233049. | Noted |
| 40 | 4 | [**S1-233108**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233108.zip) | CMDI | New SID on Integrated Sensing and Communication Phase 2 | SID new |  |  |  |  |  |  |  |  | Merged with 3050 in 3530 | Merged into S1-233530 |
| 41 | 4 | [**S1-233109**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233109.zip) | CMDI | New SID on Integrated Sensing and Communication Phase 2 | discussion |  |  |  |  |  |  |  |  | Max 4 content slides (rest must go to Annex) | Noted |
| 42 | 4 | [**S1-233065**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233065.zip) | China Unicom | FS\_NetShare\_Ph2 | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-233579 |
| 43 | 4 | S1-233579 | China Unicom | FS\_NetShare\_Ph2 | SID new |  |  |  |  |  |  |  | Replaces S1-233065 | KDDI is not a supporting company at this stage, need more internal review | Revised to S1-233589 |
| 44 | 4 | S1-233589 | China Unicom | FS\_NetShare\_Ph2 | SID new |  |  |  |  |  |  |  | Replaces S1-233579 | Revision of S1-233065. Revision of S1-233579. | Noted |
| 45 | 4 | [**S1-233076**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233076.zip) | China Unicom | New Study on NetShare phase 2 | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 46 | 4 | [**S1-233079**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233079.zip) | KPN N.V. | New study on End-to-end Encryption as a Service | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-233580 |
| 47 | 4 | S1-233580 | KPN N.V. | New study on End-to-end Encryption as a Service | SID new |  |  |  |  |  |  |  | Replaces S1-233079 | Revision of S1-233079. | Withdrawn |
| 48 | 4 | [**S1-233080**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233080.zip) | KPN N.V. | Discussion on End-to-end Encryption as a Service | discussion |  |  |  |  |  |  |  |  | Please add cover page with tdoc number | Revised to S1-233274 |
| 49 | 4 | [S1-233274](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233274.zip) | KPN N.V. | Discussion on End-to-end Encryption as a Service | discussion |  |  |  |  |  |  |  | Replaces S1-233080 | Please add cover page with tdoc number Revision of S1-233080. | Noted |
| 50 | 4 | [**S1-233113**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233113.zip) | ZTE, CEPRI, China Unicom | New SID on Study on Task-driven Cooperative Intelligent Cluster | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-233581 |
| 51 | 4 | S1-233581 | ZTE, CEPRI, China Unicom | New SID on Study on Task-driven Cooperative Intelligent Cluster | SID new |  |  |  |  |  |  |  | Replaces S1-233113 | Several companies still have difficulties with the proposal. Offline discussions to take place between now and next meeting. | Noted |
| 52 | 4 | [**S1-233114**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233114.zip) | ZTE, CEPRI, China Unicom | Discussion on Task-driven Cooperative Intelligent Cluster | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 53 | 4 | [**S1-233120**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233120.zip) | China Mobile | New SID on distributed and autonomous network | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-233582 |
| 54 | 4 | S1-233582 | China Mobile | New SID on distributed and autonomous network | SID new |  |  |  |  |  |  |  | Replaces S1-233120 | Also to be continued in between meetings | Noted |
| 55 | 4 | [**S1-233121**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233121.zip) | China Mobile | Discussion on distributed and autonomous network | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 56 | 4 | [**S1-233122**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233122.zip) | China Mobile | New SID on Energy Efficiency as Service Criteria phase2 | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-233283 |
| 57 | 4 | [S1-233283](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233283.zip) | China Mobile | New SID on Energy Efficiency as Service Criteria phase2 | SID new |  |  |  |  |  |  |  | Replaces S1-233122 | To be progressed in between meetings. | Noted |
| 58 | 4 | [**S1-233123**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233123.zip) | China Mobile | Discussion on Energy Efficiency as Service Criteria phase2 | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-233269 |
| 59 | 4 | [S1-233269](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233269.zip) | China Mobile | Discussion on Energy Efficiency as Service Criteria phase2 | discussion |  |  |  |  |  |  |  | Replaces S1-233123 | Revision of S1-233123. | Noted |
| 60 | 4 | [**S1-233133**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233133.zip) | China Telecomunication Corp. | New SID on Study on Enhancements to Network Automation | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-233284 |
| 61 | 4 | [S1-233284](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233284.zip) | China Telecomunication Corp. | New SID on Study on Enhancements to Network Automation | SID new |  |  |  |  |  |  |  | Revision of S1-233133. | Revision of S1-233133. | Withdrawn |
| 62 | 4 | [**S1-233136**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233136.zip) | China Telecomunication Corp. | New SID: Study on Enhancements to Network Automation | SID new |  |  |  |  |  |  |  |  |  | Noted |
| 62 | 4 | [S1-233287](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233287.zip) | China Mobile, Huawei | Clarification on the PS Data Off exemption for services over Data Channel | CR | 22.011 | 0355 | 1 | F | 19.2.0 | Rel-19 | IMSDCDataOff | Replaces S1-233119 | Revised to S1-233295 | Revised to S1-233297 |
| 62r | 4 | S1-233295 | China Mobile, Huawei | Clarification on the PS Data Off exemption for services over Data Channel | CR | 22.011 | 0355 | 2 | F | 19.2.0 | Rel-19 | IMSDCDataOff | Replaces S1-233287 |  |  |
| 62r | 4 | S1-233297 | China Mobile, Huawei | Clarification on the PS Data Off exemption for services over Data Channel | CR | 22.011 | 0355 | 2 | F | 19.2.0 | Rel-19 | IMSDCDataOff | Replaces S1-233287 | No consensus | Revised to S1-233592 |
| 62rr | 4 | S1-233592 | China Mobile, Huawei | Clarification on the PS Data Off exemption for services over Data Channel | CR | 22.011 | 0355 | 3 | F | 19.2.0 | Rel-19 | IMSDCDataOff | Replaces S1-233297 | Asked by the author when it was too late | Noted |
| 63 | 4 | [**S1-233139**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233139.zip) | OPPO | Study on User Centric Application Service Transfer (for R20 part1) | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-233293 |
| 64 | 4 | S1-233293 | OPPO | Study on User Centric Application Service Transfer (for R20 part1) | SID new |  |  |  |  |  |  |  | Replaces S1-233139 | Revision of S1-233139. | Noted |
| 65 | 4 | [**S1-233134**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233134.zip) | OPPO | User Centric Application Service Transfer | discussion |  |  |  |  |  |  |  |  | Max 4 content slides (rest must go to Annex) | Revised to S1-233265 |
| 66 | 4 | [S1-233265](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233265.zip) | OPPO | User Centric Application Service Transfer | discussion |  |  |  |  |  |  |  | Replaces S1-233134 | Moved from 7.2.2 Revision of S1-233072. | Noted |
| 67 | 4 | [**S1-233150**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233150.zip) | China Unicom | SID study on Multi-network Interoperability Enhancement | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-233586 |
| 68 | 4 | S1-233586 | China Unicom | SID study on Multi-network Interoperability Enhancement | SID new |  |  |  |  |  |  |  | Replaces S1-233150 | Also to be continued in between meetings | Noted |
| 69 | 4 | [**S1-233151**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233151.zip) | China Unicom | DP on Multi-network Interoperability Enhancement | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 70 | 4 | [**S1-233160**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233160.zip) | CATT | New SID on Mobile Base Station Relay Phase2 | SID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-233587 |
| 71 | 4 | S1-233587 | CATT | New SID on Mobile Base Station Relay Phase2 | SID new |  |  |  |  |  | Rel-19 |  | Replaces S1-233160 | there is no "FS\_MBSR phase 1".  To be continued in between meetings. | Noted |
| 72 | 4 | [**S1-233161**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233161.zip) | CATT | Discussion on Mobile Base Station Relay Phase2 | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 73 | 4 | [**S1-233162**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233162.zip) | CATT | New SID on High-availability IoT services via dual 3GPP accessess | SID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-233288 |
| 74 | 4 | [S1-233288](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233288.zip) | CATT | New SID on High-availability IoT services via dual 3GPP accessess |  |  |  |  |  |  |  |  | Revision of S1-233162. | To be progressed in between meetings | Noted |
| 75 | 4 | [**S1-233163**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233163.zip) | CATT | Discussion on High-availability IoT services via dual 3GPP accessess | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 76 | 4 | [**S1-233209**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233209.zip) | Nokia, Nokia Shanghai Bell | New SID on user feedback in the IMS | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-233289 |
| 77 | 4 | [S1-233289](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233289.zip) | Nokia, Nokia Shanghai Bell | New SID on user feedback in the IMS |  |  |  |  |  |  |  |  | Revision of S1-233209. | To be progressed later. | Noted |
| 78 | 4 | [**S1-233207**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233207.zip) | Nokia, Nokia Shanghai Bell | Motivations for new SID on User feedback in IMS | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 79 | 4 | [**S1-233100**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233100.zip) | NEC | On the need to enhance NPN-PLMN interworking | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 80 | 4 | [**S1-233111**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233111.zip) | vivo | Discussion paper on enhancements to IMS for new GEO global call services | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-233290 |
| 81 | 4 | [S1-233290](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233290.zip) | vivo | Discussion paper on enhancements to IMS for new GEO global call services |  |  |  |  |  |  |  |  | Revision of S1-233111. | Revision of S1-233111. | Noted |
| 82 | 4 | [**S1-233193**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233193.zip) | China Mobile Com. Corporation | Discussion on Motivation on AI enhanced IMS Multimedia Telephony Service | discussion |  |  |  |  |  |  |  | 1) To study new use cases on AI enhanced IMS multimedia telephony service to identify new service requirements and enhancements for AI enhanced IMS multimedia telephony service.  2) To identify potential enhancements for 4G/5G/IMS system to fulfill the new service requirements captured from bullet 1) above.  3) To perform a gap analysis with existing IMS multimedia telephony service. |  | Noted |
| 83 | 4 | [**S1-233201**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233201.zip) | NOVAMINT, Thales, Airbus, Eutelsat, Fraunhofer, TNO, | Satellite Access: Next Steps - Motivation for study in Rel-20 and beyond | discussion |  |  |  |  |  |  |  |  | Max 4 content slides (rest must go to Annex) | Noted |
| 84 | 4 | [**S1-233224**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233224.zip) | Qualcomm | Supplemental NW extension\_Overview | other |  |  |  |  |  |  |  |  |  | Noted |
| 85 | 4 | [**S1-233165**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233165.zip) | China Telecom Corporation Ltd. | New SID on Distributed Customization Network Services | SID new |  |  |  |  |  |  |  |  |  | Revised to S1-233267 |
| 86 | 4 | [S1-233267](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233267.zip) | China Telecom Corporation Ltd. | New SID on Distributed Customization Network Services | SID new |  |  |  |  |  |  |  | Replaces S1-233165 | Revision of S1-233165. | Revised to S1-233574 |
| 87 | 4 | S1-233574 | China Telecom Corporation Ltd. | New SID on Distributed Customization Network Services | SID new |  |  |  |  |  |  |  | Replaces S1-233267 | Revision of S1-233165. Revision of S1-233267. | Noted |
| 88 | 4 | [**S1-233164**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233164.zip) | China Telecom Corporation Ltd. | Discussion on Distributed Customization Network Services | discussion |  |  |  |  |  |  |  |  |  | Revised to S1-233266 |
| 89 | 4 | [S1-233266](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233266.zip) | China Telecom Corporation Ltd. | Discussion on Distributed Customization Network Services | discussion |  |  |  |  |  |  |  | Replaces S1-233164.  The main objectives of this study include:  • Studying use cases on distributed, customized network services, and grouping use cases  with common characteristics, e.g. network functionality and performance.  • Support of distributed, customized network services.  • Support of the interconnection and collaboration of distributed, customized networks.  • Investigating gaps between the identified new potential requirements and the requirements  already specified for the 5G system.  • Other aspects, including privacy, charging and security requirements | Revision of S1-233164. | Noted |
| 02 | 5 | [**S1-233181**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233181.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Correction of requirement in subclause 6.3 (Multiple access technologies) | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0751 |  | D | 16.16.0 | [Rel-16](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=191) | [TEI16](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=770050) | Correction of subclause 6.3 requirement text as intended in approved CR 256 | Cat should be F and not D  should be "over the access technologies"  section affected should be 6.3.2.1 and not 6.3 | Revised to S1-233275 |
| 03 | 5 | [S1-233275](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233275.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Correction of requirement in subclause 6.3 (Multiple access technologies) | CR | 22.261 | 0751 | 1 | D | 16.16.0 | Rel-16 | TEI16 | Replaces S1-233181 | Revision of S1-233181. Change to cat F, over the select between access technologies | Agreed |
| 04 | 5 | [**S1-233183**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233183.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Correction of requirement in subclause 6.3 (Multiple access technologies) | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0752 |  | D | 17.11.0 | [Rel-17](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [TEI16](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=770050) |  |  | Revised to S1-233276 |
| 05 | 5 | [S1-233276](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233276.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Correction of requirement in subclause 6.3 (Multiple access technologies) | CR | 22.261 | 0752 | 1 | D | 17.11.0 | Rel-17 | TEI16 | Replaces S1-233183 | Revision of S1-233183. | Agreed |
| 06 | 5 | [**S1-233184**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233184.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Correction of requirement in subclause 6.3 (Multiple access technologies) | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0753 |  | A | 18.11.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [TEI16](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=770050) |  |  | Revised to S1-233277 |
| 08 | 5 | [**S1-233185**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233185.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Correction of requirement in subclause 6.3 (Multiple access technologies) | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0754 |  | A | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI16](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=770050) |  | was Revised to S1-233278 | Revised to S1-233227 |
| 09 | 5 | S1-233227 | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Correction of requirement in subclause 6.3 (Multiple access technologies) | CR | 22.261 | 0754 | 1 | A | 19.4.0 | Rel-19 | TEI16 | Replaces S1-233185 | Revision of S1-233185. | Agreed |
| 01 | 6.1 | [**S1-233210**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233210.zip) | UIC | Update of recording and audit requirements for railways | CR | [22.280](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0169 |  | A | 18.4.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [FRMCS\_Ph5](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) |  | Wrong WI code, wrong cat. | Revised to S1-233350 |
| 02 | 6.1 | [S1-233350](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233350.zip) | UIC | 22.280v18.4.0. Update of recording and audit requirements for railways |  |  |  |  |  |  |  |  |  | Wrong WI code, wrong cat. Revision of S1-233210. | Withdrawn |
| 03 | 6.1 | [**S1-233214**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233214.zip) | UIC | Enhancement of MCX Service Ad hoc Group Emergency Alert and Ad hoc Group Communications for railways | CR | [22.280](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0170 |  | A | 18.4.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [FRMCS\_Ph5](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) |  | Wrong WI code, wrong cat. | Revised to S1-233353 |
| 04 | 6.1 | [S1-233353](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233353.zip) | UIC | 22.280v18.4.0 Enhancement of MCX Service Ad hoc Group Emergency Alert and Ad hoc Group Communications for railways | CR |  |  |  |  |  |  |  |  | Wrong WI code, wrong cat. Revision of S1-233214. | Agreed |
| 02 | 7.1.1 | [**S1-233051**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233051.zip) | Xiaomi | Adding security title | CR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) | 0018 |  | D | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Wrong CR number and revision. | Revised to S1-233304 |
| 03 | 7.1.1 | [S1-233304](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233304.zip) | Xiaomi | 22.837v19.1.0 Adding security title |  |  |  |  |  |  |  |  |  | Revision of S1-233051. Right CR number, increase counter, date. | Agreed |
| 04 | 7.1.1 | [**S1-233047**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233047.zip) | Nokia, Nokia Shanghai Bell, Deutsche Telekom | Correction on consolidated KPI table for sensing | CR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) | 0017 |  | F | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  |  | Revised to S1-233305 |
| 05 | 7.1.1 | [S1-233305](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233305.zip) | Nokia, Nokia Shanghai Bell, Deutsche Telekom | 22.837v19.1.0 Correction on consolidated KPI table for sensing |  |  |  |  |  |  |  |  |  | Revision of S1-233047. | Agreed |
| 06 | 7.1.1 | [**S1-233131**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233131.zip) | ZTE | Update sensing consolidated KPI table | CR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) | 0019 |  | F | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  |  | Revised to S1-233306 |
| 07 | 7.1.1 | [S1-233306](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233306.zip) | ZTE | 22.837v19.1.0 Update sensing consolidated KPI table |  |  |  |  |  |  |  |  |  | Revision of S1-233131. | Revised to S1-233319 |
| 08 | 7.1.1 | [S1-233319](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233319.zip) | ZTE | 22.837v19.1.0 Update sensing consolidated KPI table |  |  |  |  |  |  |  |  |  | Revision of S1-233131. Revision of S1-233306. | Revised to S1-233329 |
| 09 | 7.1.1 | S1-233329 | ZTE | 22.837v19.1.0 Update sensing consolidated KPI table |  |  |  |  |  |  |  |  | Replaces S1-233319 | Revision of S1-233131. Revision of S1-233306. Revision of S1-233319. | Revised to S1-233343 |
| 10 | 7.1.1 | S1-233343 | ZTE | 22.837v19.1.0 Update sensing consolidated KPI table |  |  |  |  |  |  |  |  | Replaces S1-233329 | Revision of S1-233131. Revision of S1-233306. Revision of S1-233319. Revision of S1-233329. | Agreed |
| 11 | 7.1.1 | S1-233110 | vivo | Inclusion of Sensing Assistance Information Requirements | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Withdrawn |
| 03 | 7.1.2 | [**S1-233087**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233087.zip) | Deutsche Telekom AG, Nokia | Removal of empty subsections | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Agreed |
| 04 | 7.1.2 | [**S1-233124**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233124.zip) | ZTE, Deutsche Telekom AG, vivo | Pseudo-CR on 3.1 terms update | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Agreed |
| 05 | 7.1.2 | [**S1-233126**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233126.zip) | ZTE, Deutsche Telekom AG | Pseudo-CR on update of 4.1 General | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Revised to S1-233307 |
| 06 | 7.1.2 | [S1-233307](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233307.zip) | ZTE, Deutsche Telekom | Pseudo-CR on update of 4.1 General |  |  |  |  |  |  |  |  |  | Revision of S1-233126. | Agreed |
| 07 | 7.1.2 | [**S1-233128**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233128.zip) | ZTE, Deutsche Telekom AG | Pseudo-CR on update of 4.2 Sensing Operation | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Revised to S1-233308 |
| 08 | 7.1.2 | [S1-233308](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233308.zip) | ZTE, Deutsche Telekom | Pseudo-CR on update of 4.2 Sensing Operation |  |  |  |  |  |  |  |  |  | Revision of S1-233128. | Revised to S1-233322 |
| 09 | 7.1.2 | [S1-233322](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233322.zip) | ZTE, Deutsche Telekom | Pseudo-CR on update of 4.2 Sensing Operation |  |  |  |  |  |  |  |  |  | Revision of S1-233128. Revision of S1-233308. | Revised to S1-233367 |
| 10 | 7.1.2 | S1-233367 | ZTE, Deutsche Telekom | Pseudo-CR on update of 4.2 Sensing Operation |  |  |  |  |  |  |  |  | Replaces S1-233322 | Revision of S1-233128. Revision of S1-233308. Revision of S1-233322. Fix typo the | Agreed |
| 12 | 7.1.2 | [**S1-233190**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233190.zip) | Deutsche Telekom AG, Nokia, ZTE | Resolving editor`s note “Identify” is FFS | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Noted |
| 13 | 7.1.2 | [**S1-233202**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233202.zip) | Apple, Qualcomm | Resolving editor’s note “Identify” is FFS | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Revised to S1-233309 |
| 14 | 7.1.2 | [S1-233309](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233309.zip) | Apple, Qualcomm | Resolving editor s note Identify is FFS |  |  |  |  |  |  |  |  |  | Revision of S1-233202. All other definitions are deleted. Delete the word identify and the Editor s note. | Agreed |
| 15 | 7.1.2 | [**S1-233088**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233088.zip) | Deutsche Telekom AG, Nokia | Update of general functional service requirements | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Agreed |
| 16 | 7.1.2 | [**S1-233054**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233054.zip) | Xiaomi | Addressing Editor's Note in 5.2.1 General | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Noted |
| 17 | 7.1.2 | [**S1-233056**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233056.zip) | Xiaomi | Adding a new requirement to section 5.2.1 General | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Noted |
| 18 | 7.1.2 | [**S1-233112**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233112.zip) | vivo, Lenovo | Inclusion of Sensing Assistance Information Requirements | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  | Move from 7.1.1 | Revised to S1-233310 |
| 19 | 7.1.2 | [S1-233310](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233310.zip) | vivo, Lenovo | Inclusion of Sensing Assistance Information Requirements |  |  |  |  |  |  |  |  |  | Move from 7.1.1 Revision of S1-233112. Remove first change. | Agreed |
| 20 | 7.1.2 | [**S1-233089**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233089.zip) | Deutsche Telekom AG, Nokia | Update of subclause configuration and authorization | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Agreed |
| 21 | 7.1.2 | [**S1-233057**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233057.zip) | Xiaomi | Adding a new requirement to section 5.2.2 Configuration and authorization | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Noted |
| 22 | 7.1.2 | [**S1-233147**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233147.zip) | Huawei | Adding requirements into Section 5.2 | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Noted |
| 23 | 7.1.2 | [**S1-233090**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233090.zip) | Deutsche Telekom AG, Nokia | Update of subclause network exposure | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Revised to S1-233311 |
| 24 | 7.1.2 | [S1-233311](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233311.zip) | Deutsche Telekom, Nokia | Update of subclause network exposure |  |  |  |  |  |  |  |  |  | Revision of S1-233090. | Revised to S1-233317 |
| 25 | 7.1.2 | [S1-233317](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233317.zip) | Deutsche Telekom, Nokia | Update of subclause network exposure |  |  |  |  |  |  |  |  |  | Revision of S1-233090. Revision of S1-233311. | Revised to S1-233326 |
| 26 | 7.1.2 | S1-233326 | Deutsche Telekom, Nokia | Update of subclause network exposure |  |  |  |  |  |  |  |  | Replaces S1-233317 | Revision of S1-233090. Revision of S1-233311. Revision of S1-233317. | Revised to S1-233341 |
| 27 | 7.1.2 | S1-233341 | Deutsche Telekom AG, Nokia, Samsung | Update of subclause network exposure |  |  |  |  |  |  |  |  | Replaces S1-233326 | Revision of S1-233090. Revision of S1-233311. Revision of S1-233317. Revision of S1-233326.  This is quite different from the original proposal, and this triggers concerns to Telefonica and Ericsson. | Noted. |
| 28 | 7.1.2 | [**S1-233058**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233058.zip) | Xiaomi | Adding a new requirement to section 5.2.3 Network exposure | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Noted |
| 29 | 7.1.2 | [**S1-233091**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233091.zip) | Deutsche Telekom AG, Nokia | Update of subclause security | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Revised to S1-233270 |
| 30 | 7.1.2 | [S1-233270](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233270.zip) | Deutsche Telekom AG, Nokia | Update of subclause security | pCR | 22.137 |  |  |  | 1.0.0 | Rel-19 | Sensing | Replaces S1-233091 | Revision of S1-233091. | Revised to S1-233312 |
| 31 | 7.1.2 | [S1-233312](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233312.zip) | Deutsche Telekom, Nokia | Update of subclause security |  |  |  |  |  |  |  |  |  | Revision of S1-233091. Revision of S1-233270. | Revised to S1-233323 |
| 32 | 7.1.2 | [S1-233323](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233323.zip) | Deutsche Telekom, Nokia | Update of subclause security |  |  |  |  |  |  |  |  |  | Revision of S1-233091. Revision of S1-233270. Revision of S1-233312. | Revised to S1-233332 |
| 33 | 7.1.2 | S1-233332 | Deutsche Telekom, Nokia | Update of subclause security |  |  |  |  |  |  |  |  | Replaces S1-233323 | Revision of S1-233091. Revision of S1-233270. Revision of S1-233312. Revision of S1-233323. | Revised to S1-233342 |
| 34 | 7.1.2 | S1-233342 | Deutsche Telekom, Nokia | Update of subclause security |  |  |  |  |  |  |  |  | Replaces S1-233332 | Revision of S1-233091. Revision of S1-233270. Revision of S1-233312. Revision of S1-233323. Revision of S1-233332. NOTE: The purpose of this requirement is to ensure that association of 3GPP subscriber identity and sensing results is possible only with user consent and according to regulatory requirements. | Agreed |
| 35 | 7.1.2 | [**S1-233059**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233059.zip) | Xiaomi | Adding a new requirement to section 5.2.4 Security | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Noted |
| 36 | 7.1.2 | [**S1-233135**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233135.zip) | Xiaomi | Clarification for relationship between sensing KPI and security | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Revised to S1-233313 |
| 37 | 7.1.2 | [S1-233313](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233313.zip) | Xiaomi | Clarification for relationship between sensing KPI and security |  |  |  |  |  |  |  |  |  | Revision of S1-233135. | Agreed |
| 38 | 7.1.2 | [**S1-233144**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233144.zip) | Huawei | Update to sensing security and privacy aspects | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Revised to S1-233314 |
| 39 | 7.1.2 | [S1-233314](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233314.zip) | Huawei | Update to sensing security and privacy aspects |  |  |  |  |  |  |  |  |  | Revision of S1-233144. | Revised to S1-233324 |
| 40 | 7.1.2 | [S1-233324](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233324.zip) | Huawei | Update to sensing security and privacy aspects |  |  |  |  |  |  |  |  |  | Revision of S1-233144. Revision of S1-233314. | Revised to S1-233327 |
| 41 | 7.1.2 | S1-233327 | Huawei | Update to sensing security and privacy aspects |  |  |  |  |  |  |  |  | Replaces S1-233324 | Revision of S1-233144. Revision of S1-233314. Revision of S1-233324. | Agreed |
| 43 | 7.1.2 | [**S1-233048**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233048.zip) | Nokia, Nokia Shanghai Bell | Pseudo-CR on finalising KPI table for sensing | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Revised to S1-233321 |
| 44 | 7.1.2 | [S1-233321](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233321.zip) | Nokia, Nokia Shanghai Bell | Pseudo-CR on finalising KPI table for sensing |  |  |  |  |  |  |  |  |  | Revision of S1-233048. | Revised to S1-233328 |
| 45 | 7.1.2 | S1-233328 | Nokia, Nokia Shanghai Bell | Pseudo-CR on finalising KPI table for sensing |  |  |  |  |  |  |  |  | Replaces S1-233321 | Revision of S1-233048. Revision of S1-233321. | Agreed |
| 46 | 7.1.2 | [**S1-233086**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233086.zip) | Deutsche Telekom AG, vivo, Nokia | Correcting references in the KPI table | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Agreed |
| 47 | 7.1.2 | [**S1-233055**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233055.zip) | Xiaomi | Updates to Performance requirements table in 6.2 | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Noted |
| 48 | 7.1.2 | [**S1-233053**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233053.zip) | Xiaomi | Removing Editor’s Note on performance requirements in clause 6.2 | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Revised to S1-233318 |
| 49 | 7.1.2 | [S1-233318](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233318.zip) | Xiaomi | Removing Editor s Note on performance requirements in clause 6.2 |  |  |  |  |  |  |  |  |  | Revision of S1-233053. | Noted |
| 50 | 7.1.2 | [**S1-233101**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233101.zip) | Qualcomm | Resolving FFS in the KPI Table | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Merge into S1-233318 |
| 51 | 7.1.2 | [**S1-233130**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233130.zip) | ZTE | Pseudo-CR on update of 6.2 KPI | pCR | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Revised to S1-233315 |
| 52 | 7.1.2 | [S1-233315](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233315.zip) | ZTE | Pseudo-CR on update of 6.2 KPI |  |  |  |  |  |  |  |  |  | Revision of S1-233130. | Revised to S1-233320 |
| 53 | 7.1.2 | [S1-233320](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233320.zip) | ZTE | Pseudo-CR on update of 6.2 KPI |  |  |  |  |  |  |  |  |  | Revision of S1-233130. Revision of S1-233315. | Revised to S1-233330 |
| 54 | 7.1.2 | S1-233330 | ZTE | Pseudo-CR on update of 6.2 KPI |  |  |  |  |  |  |  |  | Replaces S1-233320 | Revision of S1-233130. Revision of S1-233315. Revision of S1-233320. | Revised to S1-233335 |
| 55 | 7.1.2 | S1-233335 | ZTE | Pseudo-CR on update of 6.2 KPI |  |  |  |  |  |  |  |  | Replaces S1-233330 | Revision of S1-233130. Revision of S1-233315. Revision of S1-233320. Revision of S1-233330. | Revised to S1-233339 |
| 56 | 7.1.2 | S1-233339 | ZTE | Pseudo-CR on update of 6.2 KPI |  |  |  |  |  |  |  |  | Replaces S1-233335 | Revision of S1-233130. Revision of S1-233315. Revision of S1-233320. Revision of S1-233330. Revision of S1-233335. Remove changes on changes. | Agreed |
| 57 | 7.1.2 | [**S1-233145**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233145.zip) | Huawei | Discussion on sensing KPI table | discussion | [22.137](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4198) |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  |  | Noted |
| 59 | 7.1.2 | [**S1-233052**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233052.zip) | Xiaomi | General description for sensing services | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0735 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000026) |  | Missing CR # and revision | Revised to S1-233325 |
| 60 | 7.1.2 | [S1-233325](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233325.zip) | Xiaomi | 22,161v19.4.0 General description for sensing services |  |  |  |  |  |  |  |  |  | Missing CR # and revision Revision of S1-233052. | Revised to S1-233331 |
| 61 | 7.1.2 | S1-233331 | Xiaomi | 22,161v19.4.0 General description for sensing services |  |  |  |  |  |  |  |  | Replaces S1-233325 | Missing CR # and revision Revision of S1-233052. Revision of S1-233325. Reason for change updated in cover page. | Agreed |
| 01 | 7.1.3 | [S1-233252](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233252.zip) | Rapporteur (Deutsche Telekom) | Cover sheet of the TS22.137 for approval | TS |  |  |  |  |  |  |  |  |  | Agreed |
| 02 | 7.1.3 | [S1-233253](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233253.zip) | Rapporteur (Deutsche Telekom) | TS 22.137v1.1.0 Integrated Sensing and Communication | TS |  |  |  |  |  |  |  |  | First draft by Tuesday 28th 23:00 UTC Comments till Thursday 30th 23:00 UTC Final version by Friday 31st 23:00 UTC | Agreed |
| 02 | 7.2.1 | [**S1-233171**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233171.zip) | Huawei Technologies France | FS\_Ambient CPR KPI Table Actuator outdoor Device density | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 2.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  |  | Revised to S1-233401 |
| 03 | 7.2.1 | [S1-233401](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233401.zip) | Huawei | FS\_Ambient CPR KPI Table Actuator outdoor Device density |  |  |  |  |  |  |  |  |  | Revision of S1-233171. With title change. | Agreed |
| 04 | 7.2.1 | [**S1-233172**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233172.zip) | Huawei Technologies France | FS\_Ambient IoT CPR KPI Table Inventory indoor Device density | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 2.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  |  | Revised to S1-233402 |
| 05 | 7.2.1 | [S1-233402](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233402.zip) | Huawei | FS\_Ambient IoT CPR KPI Table Inventory indoor Device density |  |  |  |  |  |  |  |  |  | Revision of S1-233172. With title change | Agreed |
| 06 | 7.2.1 | [**S1-233173**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233173.zip) | Huawei Technologies France | FS\_Ambient IoT CPR KPI Table Sensor data Communication Range alignment | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 2.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  |  | Revised to S1-233403 |
| 07 | 7.2.1 | [S1-233403](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233403.zip) | Huawei | FS\_Ambient IoT CPR KPI Table Sensor data Communication Range alignment |  |  |  |  |  |  |  |  |  | Revision of S1-233173. With title change, remove ? , add NOTE2 into 7.2.1 | Agreed |
| 08 | 7.2.1 | [**S1-233168**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233168.zip) | OPPO | Consolidation on KPI for Ambient IoT in TR22840 | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 2.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  |  | Revised to S1-233404 |
| 09 | 7.2.1 | [S1-233404](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233404.zip) | OPPO | Consolidation on KPI for Ambient IoT in TR22840 |  |  |  |  |  |  |  |  |  | Revision of S1-233168. | Agreed |
| 01 | 7.2.2 | [**S1-233066**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233066.zip) | Rapporteur (OPPO) | TS 22.xxxv0.1.0 Study on Ambient power-enabled Internet of Things | other |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | [Revision of S1-232592](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1481570) | Agreed last SA1 | Noted |
| 02 | 7.2.2 | [**S1-233067**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233067.zip) | OPPO | Skeleton for new TS on Ambient IoT | other |  |  |  |  |  |  |  | [Revision of S1-232374](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1481352) | Agreed last SA1 | Agreed |
| 03 | 7.2.2 | [**S1-233069**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233069.zip) | OPPO | Scope for Ambient IoT TS | other |  |  |  |  |  |  |  | [Revision of S1-232396](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1481374) | Agreed last SA1 | Revised to S1-233406 |
| 04 | 7.2.2 | [S1-233406](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233406.zip) | OPPO | Scope for Ambient IoT TS |  |  |  |  |  |  |  |  |  | Agreed last SA1 Revision of S1-233069. | Revised to S1-233419 |
| 05 | 7.2.2 | [S1-233419](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233419.zip) | OPPO | Scope for Ambient IoT TS |  |  |  |  |  |  |  |  |  | Agreed last SA1 Revision of S1-233069. Revision of S1-233406. | Agreed |
| 06 | 7.2.2 | [**S1-233070**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233070.zip) | OPPO | Overview for Ambient IoT TS | other | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | [Revision of S1-232649](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1481627) | Agreed last SA1 | Merged into S1-233407 |
| 07 | 7.2.2 | [**S1-233071**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233071.zip) | OPPO | Input to new TS - Ambient IoT performance requirements | other |  |  |  |  |  |  |  | [Revision of S1-232651](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1481629) | Agreed last SA1 | Revised to S1-233413 |
| 08 | 7.2.2 | [S1-233413](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233413.zip) | OPPO | Input to new TS - Ambient IoT performance requirements |  |  |  |  |  |  |  |  |  | Agreed last SA1 Revision of S1-233071. | Revised to S1-233425 |
| 09 | 7.2.2 | S1-233425 | OPPO | Input to new TS - Ambient IoT performance requirements |  |  |  |  |  |  |  |  | Replaces S1-233413 | Merged with 3412 | Revised to S1-233429 |
| 10 | 7.2.2 | S1-233429 | OPPO | Input to new TS - Ambient IoT performance requirements |  |  |  |  |  |  |  |  | 02r | 7.3.1  Was Revised to S1-233430 | Revised to S1-233443 |
| 10r | 7.2.2 | S1-233443 | OPPO | Input to new TS - Ambient IoT performance requirements |  |  |  |  |  |  |  |  | Replaces S1-233429 |  | Agreed. |
| 11 | 7.2.2 | [**S1-233073**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233073.zip) | OPPO | pCR on ambient IoT functional requirements | other |  |  |  |  |  |  |  | [Revision of S1-232664](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1481642) | Agreed last SA1 | Revised to S1-233410 |
| 12 | 7.2.2 | [S1-233410](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233410.zip) | OPPO | pCR on ambient IoT functional requirements |  |  |  |  |  |  |  |  |  | Agreed last SA1 Revision of S1-233073. | Revised to S1-233415 |
| 13 | 7.2.2 | [S1-233415](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233415.zip) | OPPO | pCR on ambient IoT functional requirements |  |  |  |  |  |  |  |  |  | Agreed last SA1 Revision of S1-233073. Revision of S1-233410. | Revised to S1-233420 |
| 14 | 7.2.2 | [S1-233420](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233420.zip) | OPPO | pCR on ambient IoT functional requirements |  |  |  |  |  |  |  |  |  | Agreed last SA1 Revision of S1-233073. Revision of S1-233410. Revision of S1-233415. | Revised to S1-233424 |
| 15 | 7.2.2 | S1-233424 | OPPO | pCR on ambient IoT functional requirements |  |  |  |  |  |  |  |  | Replaces S1-233420 | Agreed last SA1 Revision of S1-233073. Revision of S1-233410. Revision of S1-233415. Revision of S1-233420. | Agreed |
| 16 | 7.2.2 | [**S1-233074**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233074.zip) | OPPO | TS.22.261\_Adding clause for Ambient IoT | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0712 | 1 | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | [Revision of S1-232140](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1469516) | Agreed last SA1 | Revised to S1-233417 |
| 17 | 7.2.2 | [S1-233417](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233417.zip) | OPPO | TS.22.261\_Adding clause for Ambient IoT |  |  |  |  |  |  |  |  |  | Agreed last SA1 Revision of S1-233074. | Revised to S1-233426 |
| 18 | 7.2.2 | S1-233426 | OPPO | TS.22.261\_Adding clause for Ambient IoT | CR | 22.261 | 0712 | 2 | B | 19.4.0 | Rel-19 | DUMMY | Replaces S1-233417 | Agreed last SA1 Revision of S1-233074. Revision of S1-233417. Other comments Spec number is not known at this moment so it appears as XXX. | Agreed. |
| 19 | 7.2.2 | [**S1-233167**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233167.zip) | KPN | Overview for Ambient IoT TS | other |  |  |  |  |  |  |  | [Revision of S1-232649](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1481627) |  | Revised to S1-233400 |
| 20 | 7.2.2 | [S1-233400](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233400.zip) | KPN | Overview for Ambient IoT TS |  |  |  |  |  |  |  |  |  | Revision of S1-233167. | Revised to S1-233407 |
| 21 | 7.2.2 | [S1-233407](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233407.zip) | KPN | Overview for Ambient IoT TS |  |  |  |  |  |  |  |  |  | Revision of S1-233167. Revision of S1-233400. | Revised to S1-233421 |
| 22 | 7.2.2 | [S1-233421](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233421.zip) | KPN | Overview for Ambient IoT TS |  |  |  |  |  |  |  |  |  | Revision of S1-233167. Revision of S1-233400. Revision of S1-233407. | Revised to S1-233427 |
| 22r | 7.2.2 | S1-233428 | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS |  |  |  |  |  |  |  |  | Replaces S1-233423 |  | Agreed |
| 23 | 7.2.2 | S1-233427 | KPN | Overview for Ambient IoT TS |  |  |  |  |  |  |  |  | Replaces S1-233421 | Revision of S1-233167. Revision of S1-233400. Revision of S1-233407. Revision of S1-233421. | Agreed |
| 24 | 7.2.2 | [**S1-233075**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233075.zip) | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS | other |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-233409 |
| 25 | 7.2.2 | [S1-233409](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233409.zip) | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS |  |  |  |  |  |  |  |  |  | Revision of S1-233075. | Revised to S1-233416 |
| 26 | 7.2.2 | [S1-233416](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233416.zip) | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS |  |  |  |  |  |  |  |  |  | Revision of S1-233075. Revision of S1-233409. | Revised to S1-233423 |
| 27 | 7.2.2 | [S1-233423](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233423.zip) | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS |  |  |  |  |  |  |  |  |  | Revision of S1-233075. Revision of S1-233409. Revision of S1-233416. | Revised to S1-233482 |
| 28 | 7.2.2 | S1-233482 | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS |  |  |  |  |  |  |  |  |  | Revision of S1-233075. Revision of S1-233409. Revision of S1-233416. Revision of S1-233423. Section titles is text already avaliable. It should not appear in track changes | Revised to S1-233483 |
| 28r | 7.2.2 | S1-233483 | OPPO | Add CPRs agreed last meeting but missed in section 5 in new TS |  |  |  |  |  |  |  |  | Replaces S1-233482 |  | Agreed |
| 29 | 7.2.2 | [**S1-233102**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233102.zip) | QUALCOMM | Text proposal for Communication modes | other |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-233411 |
| 30 | 7.2.2 | [S1-233411](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233411.zip) | QUALCOMM | Text proposal for Communication modes |  |  |  |  |  |  |  |  |  | Revision of S1-233102. | Revised to S1-233422 |
| 31 | 7.2.2 | [S1-233422](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233422.zip) | QUALCOMM | Text proposal for Communication modes |  |  |  |  |  |  |  |  |  | Revision of S1-233102. Revision of S1-233411. Fix capable in texts and figure, section numbering remove 4. Overview | Agreed |
| 32 | 7.2.2 | [**S1-233103**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233103.zip) | QUALCOMM | KPI Table Updates | other |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-233278 |
| 33 | 7.2.2 | [S1-233278](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233278.zip) | QUALCOMM | KPI Table Updates | other |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Replaces S1-233103 | check 3185 (Peratron), 3103 (Qc), 3278 (Qc), 3412 | Revised to S1-233412 |
| 34 | 7.2.2 | [S1-233412](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233412.zip) | QUALCOMM | KPI Table Updates |  |  |  |  |  |  |  |  |  | Revision of S1-233103. Revision of S1-233278.  Merged with 3425 in 3429 | Merged into S1-233429 |
| 35 | 7.2.2 | [**S1-233148**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233148.zip) | OPPO | Adding referernces for Ambient IoT TS | other |  |  |  |  |  |  |  |  |  | Revised to S1-233418 |
| 36 | 7.2.2 | [S1-233418](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233418.zip) | OPPO | Adding referernces for Ambient IoT TS |  |  |  |  |  |  |  |  |  | Revision of S1-233148. | Merged into S1-233421 |
| 37 | 7.2.2 | [**S1-233170**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233170.zip) | OPPO | Adding referernces for Ambient IoT TS | other |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | Incorrect document title | Revised to S1-233408 |
| 38 | 7.2.2 | [S1-233408](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233408.zip) | OPPO | Adding annex for Ambient IoT TS |  |  |  |  |  |  |  |  |  | Revision of S1-233170. Incorrect document title | Noted |
| 01 | 7.2.3 | [S1-233254](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233254.zip) | Rapporteur (OPPO) | Cover sheet of the TR 22.840 on FS\_AmbientIoT for approval | TR |  |  |  |  |  |  |  |  | Wrong template | Revised to S1-233593 |
| 01r | 7.2.3 | S1-233593 | Rapporteur (OPPO) | Cover sheet of the TR 22.840 on FS\_AmbientIoT for approval | TR |  |  |  |  |  |  |  | Replaces S1-233254 |  | Agreed. |
| 02 | 7.2.3 | [S1-233255](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233255.zip) | Rapporteur (OPPO) | TR 22.840v2.1.0 Study on Ambient power-enabled Internet of Things | TR |  |  |  |  |  |  |  |  |  | Agreed |
| 03 | 7.2.3 | [S1-233256](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233256.zip) | Rapporteur (OPPO) | Cover sheet of the TS 22.xxx for one step approval | TR |  |  |  |  |  |  |  |  | Performance requirements to be covered, wrong format | Revised to S1-233594 |
| 03r | 7.2.3 | S1-233594 | Rapporteur (OPPO) | Cover sheet of the TS 22.xxx for one step approval | TR |  |  |  |  |  |  |  | Replaces S1-233256 |  | Agreed. |
| 04 | 7.2.3 | [S1-233257](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233257.zip) | Rapporteur (OPPO) | TS 22.xxxv0.1.0 Study on Ambient power-enabled Internet of Things | TS |  |  |  |  |  |  |  |  |  | Agreed |
| 02 | 7.3.1 | [**S1-233129**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233129.zip) | Huawei, Orange, Nokia, Nokia Shanghai Bell, NTT DOCOMO | Essential correction to clause 7 | CR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) | 0009 |  | F | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | CR | Revised to S1-233430 |
| 02r | 7.3.1 | S1-233430 | Huawei, Orange, Nokia, Nokia Shanghai Bell, NTT DOCOMO | Essential correction to clause 7 | CR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) | 0009 | 1 | F | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | CR | Agreed |
| 02 | 7.3.2 | [**S1-233166**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233166.zip) | Nokia, Nokia Shanghai Bell | pCR on TS 22.156 cleanup | pCR | [22.156](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4199) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000028) |  |  | Revised to S1-233431 |
| 03 | 7.3.2 | S1-233431 | Nokia, Nokia Shanghai Bell | pCR on TS 22.156 cleanup |  |  |  |  |  |  |  |  |  | Revision of S1-233166. Revise Annex section numbers | Agreed |
| 04 | 7.3.2 | [**S1-233152**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233152.zip) | Nokia, Nokia Shanghai Bell, Samsung, Huawei | 22.156 pCR on numbering requirements | pCR | [22.156](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4199) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000028) | This pCR proposes to number requirements to ease identification and tracking within SA1. | Some reserves from Qualcomm and LG.  SA Chair supports numbering the requirements. He notes that nobody can prohibit to have one section per requirement...  The question is whether this approach would be generalised or not. Nokia proposes to at least start here.  After some off-line discussions, it is agreed | Agreed. |
| 05 | 7.3.2 | [**S1-233077**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233077.zip) | Orange | pCR 22156 - Mobile metaverse service interconnection | pCR | [22.156](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4199) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000028) |  |  | Revised to S1-233432 |
| 06 | 7.3.2 | S1-233432 | Orange | pCR 22156 - Mobile metaverse service interconnection |  |  |  |  |  |  |  |  |  | Revision of S1-233077. | Revised to S1-233438 |
| 07 | 7.3.2 | S1-233438 | Orange | pCR 22156 - Mobile metaverse service interconnection |  |  |  |  |  |  |  |  |  | Revision of S1-233077. Revision of S1-233432. data formats -> digital asset formats e.g., avatar format, remove be | Agreed |
| 08 | 7.3.2 | [**S1-233127**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233127.zip) | Huawei, Samsung, Nokia, Nokia Shanghai Bell | Pseudo-CR on addition of KPI requirements | pCR | [22.156](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4199) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000028) |  |  | Revised to S1-233433 |
| 09 | 7.3.2 | S1-233433 | Huawei, Samsung, Nokia, Nokia Shanghai Bell | Pseudo-CR on addition of KPI requirements |  |  |  |  |  |  |  |  |  | Revision of S1-233127. | Agreed |
| 10 | 7.3.2 | [**S1-233146**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233146.zip) | China Telecom Corporation Ltd. | 22156 pCR 5.2.3 Digital asset management | pCR | [22.156](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4199) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000028) |  |  | Agreed |
| 11 | 7.3.2 | [**S1-233186**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233186.zip) | Samsung, NTT DOCOMO, Huawei, Nokia, Nokia Shanghai Bell | 22.156 pCR Addition of Agreed Consolidated Requirements except for Digital Asset Management | pCR | [22.156](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4199) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000028) |  |  | Revised to S1-233434 |
| 12 | 7.3.2 | S1-233434 | Samsung, NTT DOCOMO, Huawei, Nokia, Nokia Shanghai Bell | 22.156 pCR Addition of Agreed Consolidated Requirements except for Digital Asset Management |  |  |  |  |  |  |  |  |  | Revision of S1-233186. Clause 5.1.1.2 mechanism -> means | Agreed |
| 13 | 7.3.2 | [**S1-233156**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233156.zip) | Nokia, Nokia Shanghai Bell | DP on revising Traffic Flow KPIs | discussion | [22.156](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4199) |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000028) |  |  | Noted |
| 14 | 7.3.2 | [**S1-233158**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233158.zip) | Nokia, Nokia Shanghai Bell | 22.156 pCR on revising traffic flow KPIs | pCR | [22.156](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4199) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000028) |  |  | Agreed |
| 15 | 7.3.2 | [**S1-233213**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233213.zip) | Samsung | 22.156 pCR Informative Annex on The EU Digital Identity Wallet Initiative | pCR | [22.156](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4199) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000028) |  |  | Revised to S1-233435 |
| 16 | 7.3.2 | S1-233435 | Samsung | 22.156 pCR Informative Annex on The EU Digital Identity Wallet Initiative |  |  |  |  |  |  |  |  |  | Revision of S1-233213.  "shall" and "may" to be removed in the informative annex.  remove annex in the caption of the figure | Revised to S1-233442 |
| 17 | 7.3.2 | S1-233442 | Samsung | 22.156 pCR Informative Annex on The EU Digital Identity Wallet Initiative |  |  |  |  |  |  |  |  | Replaces S1-233435 | Revision of S1-233213. Revision of S1-233435. Remove shall and may from the anex. Remove annex from the caption of the figure. | Agreed |
| 18 | 7.3.2 | [**S1-233187**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233187.zip) | Samsung | Introduction of Mobile Metaverse Services | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0755 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000028) |  |  | Revised to S1-233436 |
| 19 | 7.3.2 | S1-233436 | Samsung | 22.261v19.4.0 Introduction of Mobile Metaverse Services |  |  |  |  |  |  |  |  |  | Revision of S1-233187. | Revised to S1-233439 |
| 20 | 7.3.2 | S1-233439 | Samsung | 22.261v19.4.0 Introduction of Mobile Metaverse Services |  |  |  |  |  |  |  |  |  | Revision of S1-233187. Revision of S1-233436. Virtual entities -> spatial anchors, annd -> and date source to TSG and numbering of references | Agreed |
| 01 | 7.3.3 | [**S1-233188**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233188.zip) | Samsung R&D Institute UK | Presentation of Specification to TSG: TS 22.156 19.0.0 (1.1.0) | TS or TR cover | [22.156](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4199) |  |  |  | 1.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000028) |  |  | Agreed |
| 02 | 7.3.3 | [S1-233258](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233258.zip) | Rapporteur (Samsung) | TS 22.156v1.1.0 Study on Localized Mobile Metaverse Services | TS |  |  |  |  |  |  |  |  |  | Agreed |
| 02 | 7.4.1 | [**S1-233222**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233222.zip) | UIC | Update and Gap analysis of Merging of Railway Emergency alerts use case | CR | [22.989](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) | 0030 |  | C | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_FRMCS\_Ph5](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950007) |  |  | Noted |
| 02 | 7.4.2 | [**S1-233178**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233178.zip) | Kyonggi University, KT | Updates on railway communication functionality | CR | [22.289](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3186) | 0009 |  | B | 17.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FRMCS\_Ph5](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) |  |  | Noted |
| 03 | 7.4.2 | [**S1-233204**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233204.zip) | UIC | Update of recording and audit requirements for railways | CR | [22.280](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0166 |  | C | 19.3.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FRMCS\_Ph5](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) |  |  | Revised to S1-233351 |
| 04 | 7.4.2 | [S1-233351](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233351.zip) | UIC | 22.280v19.3.0 Update of recording and audit requirements for railways | CR | 22.280 | 0166 | 1 | C | 19.3.0 | Rel-19 | FRMCS\_Ph5 |  | Revision of S1-233204.  rev number is wrong  Section impacted wrong  [R-6.15.6.2-004a] in the first instance should be deleted (not voided) since it was a mistake. | Revised to S1-233368 |
| 05 | 7.4.2 | S1-233368 | UIC | 22.280v19.3.0 Update of recording and audit requirements for railways | CR | 22.280 | 0166 | 2 | C | 19.3.0 | Rel-19 | FRMCS\_Ph5 | Replaces S1-233351 | Revision of S1-233204. Revision of S1-233351. No void requirement but delete it as it was a mistake. | Agreed |
| 06 | 7.4.2 | [**S1-233206**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233206.zip) | UIC | Enhancement of MCX Service Ad hoc Group Emergency Alert and Ad hoc Group Communications for railways | CR | [22.280](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0167 |  | C | 19.3.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FRMCS\_Ph5](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) |  |  | Revised to S1-233352 |
| 07 | 7.4.2 | [S1-233352](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233352.zip) | UIC | 22.280v19.3.0 Enhancement of MCX Service Ad hoc Group Emergency Alert and Ad hoc Group Communications for railways | CR | 22.280 | 0167 | 1 | C | 19.3.0 | Rel-19 | FRMCS\_Ph5 |  | Revision of S1-233206.  rev number is wrong | Revised to S1-233369 |
| 08 | 7.4.2 | S1-233369 | UIC | 22.280v19.3.0 Enhancement of MCX Service Ad hoc Group Emergency Alert and Ad hoc Group Communications for railways | CR | 22.280 | 0167 | 2 | A | 19.3.0 | Rel-19 | FRMCS\_Ph5 | Replaces S1-233352 | Revision of S1-233206. Revision of S1-233352. | Agreed. |
| 09 | 7.4.2 | [**S1-233208**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233208.zip) | UIC | Merging of MCX Service Ad hoc Group Emergency Alerts and Ad hoc Group Communications for railways | CR | [22.280](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0168 |  | C | 19.3.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FRMCS\_Ph5](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) |  |  | Noted |
| 10 | 7.4.2 | [**S1-233205**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233205.zip) | UIC | Enhancement of multi-talker control due to updates of FRMCS functional requirements | CR | [22.179](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=623) | 0078 |  | C | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FRMCS\_Ph5](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) |  |  | Revised to S1-233361 |
| 11 | 7.4.2 | [S1-233361](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233361.zip) | UIC | 22.179v19.1.0 Enhancement of multi-talker control due to updates of FRMCS functional requirements |  |  |  |  |  |  |  |  |  | Revision of S1-233205.  Wrong rev number | Revised to S1-233370 |
| 11r | 7.4.2 | S1-233370 | UIC | 22.179v19.1.0 Enhancement of multi-talker control due to updates of FRMCS functional requirements | CR | 22.179 | 0078 | 2 | C | 19.1.0 | Rel-19 | FRMCS\_Ph5 | Replaces S1-233361 |  | Agreed. |
| 12 | 7.4.2 | [**S1-233223**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233223.zip) | UIC, FirstNet | Requirements on direct device connection for Critical Communications | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0760 |  | C | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FRMCS\_Ph5](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000031) |  |  | Revised to S1-233359 |
| 13 | 7.4.2 | [S1-233359](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233359.zip) | UIC, FirstNet | 22.261v19.4.0 Requirements on direct device connection for Critical Communications | CR | 22.261 | 0760 | 1 | C | 19.4.0 | Rel-19 | FRMCS\_Ph5 |  | Revision of S1-233223.  rev number wrong  Police of Netherlands: this is not the direction agreed in drafting. | Noted |
| 02 | 7.5.2 | [**S1-233143**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233143.zip) | OPPO | TS.22.261\_Updating of functional requirements | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0745 |  | F | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [AIML\_MT\_Ph2](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000030) |  | F Wrong format in reason for change | Revised to S1-233300 |
| 03 | 7.5.2 | [S1-233300](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233300.zip) | OPPO | 22.261v19.4.0 TS.22.261\_Updating of functional requirements | CR | 22.261 | 0745 | 1 | F | 19.4.0 | Rel-19 | AIML\_MT\_PH2 |  | F Wrong format in reason for change Revision of S1-233143.  Wrong title | Revised to S1-233344 |
| 04 | 7.5.2 | S1-233344 | OPPO | 22.261v19.4.0 TS.22.261\_Updating of functional requirements | CR | 22.261 | 0745 | 2 | F | 19.4.0 | Rel-19 | AIML\_MT\_PH2 | Replaces S1-233300 | F Wrong format in reason for change Revision of S1-233143. Revision of S1-233300. |  |
| 02 | 7.6.1 | [**S1-233225**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233225.zip) | Novamint | Small editorial fixes to 22.865 | CR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) | 0006 |  | D | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_5GSAT\_Ph3](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960016) |  |  | Revised to S1-233472 |
| 03 | 7.6.1 | S1-233472 | Novamint | 22.865v19.1.0. Small editorial fixes to 22.865 |  |  |  |  |  |  |  |  |  | Revision of S1-233225. No presentation | Agreed |
| 02 | 7.6.2 | [**S1-233159**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233159.zip) | CATT | Add remaining consolidated requirements of Satellite Access | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0747 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [5GSAT\_Ph3](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000024) |  |  | Revised to S1-233573 |
| 03 | 7.6.2 | S1-233573 | CATT | Add remaining consolidated requirements of Satellite Access | CR | 22.261 | 0747 | 1 | B | 19.4.0 | Rel-19 | 5GSAT\_Ph3 | Replaces S1-233159 | Some formatting problem. | Revised to S1-233590 |
| 04 | 7.6.2 | S1-233590 | CATT | Add remaining consolidated requirements of Satellite Access | CR | 22.261 | 0747 | 2 | B | 19.4.0 | Rel-19 | 5GSAT\_Ph3 | Replaces S1-233573 | Revision of S1-233159. Revision of S1-233573. Fix format of note. Delete carriage return after second note. | Agreed |
| 05 | 7.6.2 | [**S1-233176**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233176.zip) | NOVAMINT | Add Satellite requirements to TS 22.261 | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0749 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [5GSAT\_Ph3](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000024) |  | Subject to regulatory requirements and operator s policy, a 5G system with satellite access supporting S&F Satellite operation shall be able to support a mechanism to configure and provision specific store and forward QoS and policies for a UE (e.g. forwarding priority, acknowledgment policy). | Merged into 3473 |
| 02 | 7.7.1 | [**S1-233081**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233081.zip) | Huawei | Editorial table alignment in clause 6.1 of TR 22.843 | CR | [22.843](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) | 0006 |  | D | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_UAV\_Ph3](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960017) |  |  | Merged 3456 |
| 03 | 7.7.1 | [**S1-233125**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233125.zip) | China Mobile Com. Corporation | CPR alignment with agreed CR for 22125 | CR | [22.843](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) | 0007 |  | B | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_UAV\_Ph3](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960017) |  | Remove <> from CR number | Revised to S1-233456 |
| 04 | 7.7.1 | S1-233456 | China Mobile | 22.843v19.1.0 CPR alignment with agreed CR for 22125 |  |  |  |  |  |  |  |  |  | Remove <> from CR number Revision of S1-233125. | Revised to S1-233469 |
| 05 | 7.7.1 | S1-233469 | China Mobile | 22.843v19.1.0 CPR alignment with agreed CR for 22125 |  |  |  |  |  |  |  |  |  | Remove <> from CR number Revision of S1-233125. Revision of S1-233456. | Agreed |
| 06 | 7.7.1 | [**S1-233189**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233189.zip) | Nokia, Nokia Shanghai Bell | Term update in use case 5.3 Geofencing for Visual Line-of-Sight UAV missions | CR | [22.843](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) | 0008 |  | D | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_UAV\_Ph3](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960017) |  | No presentation | Agreed |
| 02 | 7.7.2 | [**S1-233082**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233082.zip) | Huawei | 5GS to UTM exposure of location | CR | [22.125](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3545) | 0048 |  | B | 19.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [UAS\_Ph3](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000032) |  |  | Noted |
| 03 | 7.7.2 | [**S1-233132**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233132.zip) | China Mobile Com. Corporation | Additional Requirements for Remote Identification of UAS and UTM assistance requirements | CR | [22.125](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3545) | 0049 |  | B | 19.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [UAS\_Ph3](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000032) |  | Why rev1? | Revised to S1-233457 |
| 04 | 7.7.2 | S1-233457 | China Mobile | 22.125v19.0.0 Additional Requirements for Remote Identification of UAS and UTM assistance requirements |  |  |  |  |  |  |  |  |  | Why rev1? Revision of S1-233132. | Revised to S1-233470 |
| 05 | 7.7.2 | S1-233470 | China Mobile | 22.125v19.0.0 Additional Requirements for Remote Identification of UAS and UTM assistance requirements |  |  |  |  |  |  |  |  |  | Why rev1? Revision of S1-233132. Revision of S1-233457. [R-5.1-020] Based on operator and UTM s policy, the 5G system shall be able to provide UTM with an airbourne UE s location and 3GPP identity to fulfil the UTM s request. NOTE 6: The 3GPP identity and UE location is expected to be used by the UTM to determine the position of airbourne objects containing the UE. | Agreed |
| 06 | 7.7.2 | [**S1-233191**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233191.zip) | Nokia, Nokia Shanghai Bell | Move requirement from UAV safety to flight path and zones management | CR | [22.125](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3545) | 0050 |  | F | 19.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [UAS\_Ph3](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000032) |  |  | Revised to S1-233458 |
| 07 | 7.7.2 | S1-233458 | Nokia, Nokia Shanghai Bell | 22.125v19.0.0 Move requirement from UAV safety to flight path and zones management |  |  |  |  |  |  |  |  |  | Revision of S1-233191. | Agreed |
|  | 7.8.1 | S1-233020 | Qualcomm | Revised TR 22.841 | draft TR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 2.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  |  |  |
| 02 | 7.8.1 | [**S1-233033**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233033.zip) | THALES, Novamint, Eutelsat | Clarifications to the Use Case on NTN-based dual 3GPP access | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 2.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  |  | Revised to S1-233301 |
| 03 | 7.8.1 | [S1-233301](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233301.zip) | THALES, Novamint, Eutelsat | Clarifications to the Use Case on NTN-based dual 3GPP access |  |  |  |  |  |  |  |  |  | Revision of S1-233033. | Revised to S1-233348 |
| 03r | 7.8.1 | S1-233348 | THALES, Novamint, Eutelsat | Clarifications to the Use Case on NTN-based dual 3GPP access |  |  |  |  |  |  |  |  | Replaces S1-233301 |  | Agreed. |
| 04 | 7.8.1 | [**S1-233068**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233068.zip) | KDDI Corporation, China Telecom | Discussion on scenarios and modes for Rel-19 SA1 Dualsteer | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  |  | Noted |
| 05 | 7.8.1 | [**S1-233142**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233142.zip) | OPPO | Discussion on Dual Steer TN-TN requirement | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 06 | 7.8.1 | [**S1-233174**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233174+.zip) | Vodafone | Connected mode PLMN search as solution to many Dual Steer use cases | CR | [22.011](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0356 |  | C | 19.2.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) |  |  | Noted |
| 07 | 7.8.1 | [**S1-233175**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233175.zip) | Vodafone | Single subscription with dual SUPI/IMSI, and, Fast PLMN reselection as way forwards for Dual Steer use cases | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 08 | 7.8.1 | [**S1-233105**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233105.zip) | Qualcomm | FS\_DualSteer\_CPR proposal | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 2.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  |  | Revised to S1-233338 |
| 08r | 7.8.1 | S1-233338 | Qualcomm | FS\_DualSteer\_CPR proposal | pCR | 22.841 |  |  |  | 2.0.0 | Rel-19 | FS\_DualSteer | Replaces S1-233105 | Extra drafting session on Friday to try to fix up DualSteer. | Revised to S1-233346 |
| 08rr | 7.8.1 | S1-233346 | Qualcomm | FS\_DualSteer\_CPR proposal | pCR | 22.841 |  |  |  | 2.0.0 | Rel-19 | FS\_DualSteer | Replaces S1-233338 |  | Agreed |
| 09 | 7.8.1 | [**S1-233179**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233179.zip) | Huawei, Mediatek, Hispasat | FS-DualSteer\_CPR proposal way forward | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 2.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  |  | Revised to S1-233303 |
| 10 | 7.8.1 | [S1-233303](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233303.zip) | Huawei, Mediatek | FS-DualSteer\_CPR proposal way forward |  |  |  |  |  |  |  |  |  | Revision of S1-233179. | Noted |
| 11 | 7.8.1 | [**S1-233182**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233182.zip) | Huawei, MediaTek, Hispasat | Proposal of the Potential way forward - SA1 Dualsteer | discussion | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-233302 |
| 12 | 7.8.1 | [S1-233302](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233302.zip) | Huawei, MediaTek | Proposal of the Potential way forward - SA1 Dualsteer |  |  |  |  |  |  |  |  |  | Revision of S1-233182. Remove Hispasat | Noted |
| 13 | 7.8.1 | [S1-233316](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233316.zip) | Qualcomm | DualSteer\_ proposal |  |  |  |  |  |  |  |  |  |  | Revised to S1-233333 |
| 14 | 7.8.1 | S1-233333 | Qualcomm | DualSteer\_ proposal |  |  |  |  |  |  |  |  | Replaces S1-233316 | Who has concerns with the 1st line: (one subscription, including two SIM/SUPIs): Vodafone, DT (mentioning that this is in contradiction with the definition of subscription in 22.101) and Huawei  Who has concerns with the 2nd line (a UE can be a device with two separate UE modules): Mediatek. (concerns with the word "module"), Huwei (twice the word "UE")  There will be some further efforts to find an agreeable wording off-line. | Revised to S1-233334 |
| 15 | 7.8.1 | S1-233334 | Qualcomm | DualSteer\_ proposal |  |  |  |  |  |  |  |  | Replaces S1-233333 | Revision of S1-233316.2 Revision of S1-233333. | Noted |
| 01 | 7.8.3 | [**S1-233226**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233226.zip) | Qualcomm | TR cover sheet | TS or TR cover | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 2.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  |  | Agreed |
| 02 | 7.8.3 | [S1-233259](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233259.zip) | Rapporteur (Qualcomm) | TR 22.841v2.2.0 Study on Upper layer traffic steering, switching and split over dual 3GPP access | TS |  |  |  |  |  |  |  |  |  | Agreed |
| 02 | 7.9.1 | [**S1-233116**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233116.zip) | China Mobile | Consolidation requirements update with leftover PRs | CR | [22.882](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) | 0009 |  | B | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | CR | Revised to S1-233451 |
| 04 | 7.9.1 | S1-233465 | China Mobile | 22.882v19.1.0 Consolidation requirements update with leftover PRs |  |  |  |  |  |  |  |  |  | B Revision of S1-233116. Subject to user consent, operator policy and regulatory requirements, the 5G system shall be able to provide means to operate part or the whole network according to energy consumption requirements, which may be based on subscription policies or requested by an authorized 3rd party Revision of S1-233451. | Agreed |
| 05 | 7.9.1 | [**S1-233141**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233141.zip) | ZTE | EE info.exposure CPR update | CR | [22.882](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) | 0010 |  | F | 19.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | CR | Revised to S1-233450 |
| 02 | 7.9.2 | [**S1-233137**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233137.zip) | ZTE | Update EE related terms in section 3.1 | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0742 |  | F | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000033) |  |  | Revised to S1-233452 |
| 03 | 7.9.2 | S1-233452 | ZTE | 22.261v.19.4.0 Update EE related terms in section 3.1 |  |  |  |  |  |  |  |  |  | Revision of S1-233137. No presentation | Agreed |
| 04 | 7.9.2 | [**S1-233115**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233115.zip) | China Mobile, Nokia, Nokia Shanghai Bell, Samsung | Energy Efficiency as a Service Criteria requirements update with agreed CPRs | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0740 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000033) |  |  | Revised to S1-233453 |
| 05 | 7.9.2 | S1-233453 | China Mobile, Nokia, Nokia Shanghai Bell, Samsung | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with agreed CPRs |  |  |  |  |  |  |  |  |  | Revision of S1-233115. No presentation | Revised to S1-233467 |
| 06 | 7.9.2 | S1-233467 | China Mobile, Nokia, Nokia Shanghai Bell, Samsung | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with agreed CPRs |  |  |  |  |  |  |  |  |  | Revision of S1-233115. do a clean-up version No presentation Revision of S1-233453. No presentation No presentation | Revised to S1-193471 |
| 07 | 7.9.2 | S1-233471 | China Mobile, Nokia, Nokia Shanghai Bell, Samsung | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with agreed CPRs |  |  |  |  |  |  |  |  |  | Revision of S1-233115. do a clean-up version No presentation Revision of S1-233453. No presentation No presentation Revision of S1-233467. accept the format No presentation | Agreed |
| 08 | 7.9.2 | [**S1-233117**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233117.zip) | China Mobile | Energy Efficiency as a Service Criteria requirements update with newly agreed CPRs | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0741 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000033) |  |  | Revised to S1-233454 |
| 09 | 7.9.2 | S1-233454 | China Mobile | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with newly agreed CPRs |  |  |  |  |  |  |  |  |  | Revision of S1-233117. Align with 3465 | Revised to S1-233468 |
| 10 | 7.9.2 | S1-233468 | China Mobile | 22.261v.19.4.0 Energy Efficiency as a Service Criteria requirements update with newly agreed CPRs |  |  |  |  |  |  |  |  |  | Revision of S1-233117. Revision of S1-233454. Align with 3465 No presentation | Agreed |
| 11 | 7.9.2 | [**S1-233138**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233138.zip) | ZTE | Update EE monitoring in section 6.15a.4.2 | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0743 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000033) |  |  | merged into 3453 |
| 12 | 7.9.2 | [**S1-233140**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233140.zip) | ZTE | Update the EE info. exposure in 6.15a.5.2 section | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0744 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000033) |  |  | Revised to S1-233455 |
| 13 | 7.9.2 | S1-233455 | ZTE | 22.261v.19.4.0 Update the EE info. exposure in 6.15a.5.2 section |  |  |  |  |  |  |  |  |  | Revision of S1-233140. Subject to operator s policy,agreement with 3rd party and consent by the customer, the 5G system shall be able to expose the network performance statistic information (e.g. the data rate, packet delay and packet loss) together with energy consumption information resulting from service provided to the customer, to the authorized third party, related to the same time interval e.g. hourly or daily. content is agreed and merged into 3467 | merged into 3467 |
| 02 | 7.10 | [**S1-233092**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233092.zip) | LG Electronics France | SOBOT TR Overview | pCR | [22.916](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.5.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_SOBOT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) |  |  | Revised to S1-233356 |
| 03 | 7.10 | [S1-233356](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233356.zip) | LG Electronics | SOBOT TR Overview |  |  |  |  |  |  |  |  |  | Revision of S1-233092. | Agreed |
| 04 | 7.10 | [**S1-233093**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233093.zip) | LG Electronics France | SOBOT Deployment scenarios | pCR | [22.916](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.5.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_SOBOT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) |  |  | Revised to S1-233357 |
| 05 | 7.10 | [S1-233357](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233357.zip) | LG Electronics | SOBOT Deployment scenarios |  |  |  |  |  |  |  |  |  | Revision of S1-233093. | Revised to S1-233363 |
| 06 | 7.10 | [S1-233363](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233363.zip) | LG Electronics | SOBOT Deployment scenarios |  |  |  |  |  |  |  |  |  | Revision of S1-233093. Revision of S1-233357. | Agreed |
| 07 | 7.10 | [**S1-233094**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233094.zip) | LG Electronics France | SOBOT Related features and aspects from existing studies/works | pCR | [22.916](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.5.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_SOBOT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) |  |  | Revised to S1-233358 |
| 08 | 7.10 | [S1-233358](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233358.zip) | LG Electronics | SOBOT Related features and aspects from existing studies/works |  |  |  |  |  |  |  |  |  | Revision of S1-233094. | Agreed |
| 09 | 7.10 | [**S1-233095**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233095.zip) | LG Electronics France | SOBOT 5.8 Addressing terminology and EN | pCR | [22.916](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.5.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_SOBOT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) |  |  | Revised to S1-233354 |
| 10 | 7.10 | [S1-233354](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233354.zip) | LG Electronics | SOBOT 5.8 Addressing terminology and EN |  |  |  |  |  |  |  |  |  | Revision of S1-233095. | Agreed |
| 11 | 7.10 | [**S1-233096**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233096.zip) | LG Electronics France | SOBOT Annex - Robotic Process Automation architecture example | pCR | [22.916](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.5.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_SOBOT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) |  |  | Noted |
| 12 | 7.10 | [**S1-233097**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233097.zip) | LG Electronics France | SOBOT Pseudo-CR on update to clause 5.1.3 | pCR | [22.916](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.5.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_SOBOT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) |  |  | Revised to S1-233355 |
| 13 | 7.10 | [S1-233355](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233355.zip) | LG Electronics | SOBOT Pseudo-CR on update to clause 5.1.3 |  |  |  |  |  |  |  |  |  | Revision of S1-233097. | Agreed |
| 14 | 7.10 | [**S1-233098**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233098.zip) | LG Electronics France | SOBOT Editorial clean-up | pCR | [22.916](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.5.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_SOBOT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) |  |  | Revised to S1-233362 |
| 15 | 7.10 | [S1-233362](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233362.zip) | LG Electronics | SOBOT Editorial clean-up |  |  |  |  |  |  |  |  |  | Revision of S1-233098. | Agreed |
| 16 | 7.10 | [**S1-233192**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233192.zip) | Nokia, Nokia Shanghai Bell | Update on 6.1 TACMM aspects related to robot applications | pCR | [22.916](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.5.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_SOBOT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) |  |  | Agreed |
| 17 | 7.10 | S1-233365 | LG Electronics | SOBOT conclusion for TR 22.916 |  |  |  |  |  |  |  |  |  | Huawei: the sentence "It is recommended to consider the outcome for enhancements of communications support relevant for the network of service robots." is ambiguous knowing that there will be no normative work in this release. | Revised to S1-233366 |
| 18 | 7.10 | S1-233366 | LG Electronics | SOBOT conclusion for TR 22.916 |  |  |  |  |  |  |  |  | Replaces S1-233365 | Revision of S1-233365. | Agreed. |
| 01 | 7.10.1 | [S1-233260](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233260.zip) | Rapporteur (LGE) | TR22.916 cover sheet for one step approval | TR |  |  |  |  |  |  |  |  |  | Agreed |
| 02 | 7.10.1 | [S1-233261](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233261.zip) | Rapporteur (LGE) | TR 22.916v0.6.0 Study on Network of Service Robots with Ambient Intelligence | TR |  |  |  |  |  |  |  |  |  | Agreed |
| 02 | 7.11 | [**S1-233060**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233060.zip) | Intel, Cisco Systems, Novamint | Pseudo-CR on 22.848 Use Case #1: Consolidation of service requirements | pCR | [22.848](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_ISN](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990053) | [Revision of S1-232456](https://portal.3gpp.org/ngppapp/CreateTdoc.aspx?mode=view&contributionId=1481434) |  | Revised to S1-233463 |
| 03 | 7.11 | S1-233463 | Intel, Cisco Systems, Novamint | Pseudo-CR on 22.848 Use Case #1: Consolidation of service requirements |  |  |  |  |  |  |  |  |  | Revision of S1-233060. | Revised to S1-233473 |
| 04 | 7.11 | S1-233473 | Intel, Cisco Systems, Novamint | Pseudo-CR on 22.848 Use Case #1: Consolidation of service requirements |  |  |  |  |  |  |  |  |  | Revision of S1-233159.  The word "hotspot" is creating problems. | Revised to S1-233475 |
| 05 | 7.11 | S1-233475 | Intel, Cisco Systems, Novamint | Pseudo-CR on 22.848 Use Case #1: Consolidation of service requirements |  |  |  |  |  |  |  |  | Replaces S1-233473 | Revision of S1-233060. Revision of S1-233463. Revision of S1-233473. | Revised to S1-233480 |
| 05r | 7.11 | S1-233480 | Intel, Cisco Systems, Novamint | Pseudo-CR on 22.848 Use Case #1: Consolidation of service requirements |  |  |  |  |  |  |  |  | Replaces S1-233475 |  | Agreed |
| 06 | 7.11 | [**S1-233063**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233063.zip) | Intel, Cisco Systems, Novamint | On consolidation of FS\_ISN service requirements | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 07 | 7.11 | [**S1-233197**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233197.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a ship and in a port | pCR | [22.848](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.2.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_ISN](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990053) |  |  | Revised to S1-233280 |
| 08 | 7.11 | [S1-233280](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233280.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a ship and in a port | pCR | 22.848 |  |  |  | 0.2.0 | Rel-19 | FS\_ISN | Replaces S1-233197 | Revision of S1-233079. | Revised to S1-233459 |
| 09 | 7.11 | S1-233459 | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a ship and in a port |  |  |  |  |  |  |  |  |  | Revision of S1-233197. Revision of S1-233280. | Noted |
| 10 | 7.11 | [**S1-233198**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233198.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a port with multiple terminals | pCR | [22.848](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.2.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_ISN](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990053) |  |  | Revised to S1-233281 |
| 11 | 7.11 | [S1-233281](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233281.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a port with multiple terminals | pCR | 22.848 |  |  |  | 0.2.0 | Rel-19 | FS\_ISN | Replaces S1-233198 | Revision of S1-233113. | Revised to S1-233460 |
| 12 | 7.11 | S1-233460 | NOVAMINT, b-com, EDF | Use case on Interconnect between SNPNs in a port with multiple terminals |  |  |  |  |  |  |  |  |  | Revision of S1-233198. Revision of S1-193281. | Noted |
| 13 | 7.11 | [**S1-233199**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233199.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between Airports’ SNPNs | pCR | [22.848](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.2.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_ISN](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990053) |  |  | Revised to S1-233282 |
| 14 | 7.11 | [S1-233282](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233282.zip) | NOVAMINT, b-com, EDF | Use case on Interconnect between Airports’ SNPNs | pCR | 22.848 |  |  |  | 0.2.0 | Rel-19 | FS\_ISN | Replaces S1-233199 | Revision of S1-233199. | Revised to S1-233461 |
| 15 | 7.11 | S1-233461 | NOVAMINT, b-com, EDF | Use case on Interconnect between Airports SNPNs |  |  |  |  |  |  |  |  |  | Revision of S1-233199. Revision of S1-193282. | Noted |
| 16 | 7.11 | [**S1-233200**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233200.zip) | NOVAMINT, b-com, EDF | Consolidated requirements for TR 22.848 | pCR | [22.848](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.2.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_ISN](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990053) |  |  | Revised to S1-233462 |
| 17 | 7.11 | S1-233462 | NOVAMINT, b-com, EDF | Consolidated requirements for TR 22.848 |  |  |  |  |  |  |  |  |  | Revision of S1-233200. | Noted |
| 18 | 7.11 | [**S1-233211**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233211.zip) | NOVAMINT, b-com, EDF | Conclusion for TR 22.848 | pCR | [22.848](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.2.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_ISN](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990053) |  |  | Revised to S1-233476 |
| 19 | 7.11 | S1-233476 | NOVAMINT, b-com, EDF | Conclusion for TR 22.848 | pCR | 22.848 |  |  |  | 0.2.0 | Rel-19 | FS\_ISN | Replaces S1-233211 | Chair: this study started after the other ones, so there is a feeling of rush to try to finish on time for Rel-19, but this might be at the price of lost quality.  Chair: option 1: an exception is asked to complete this Study a bit later,, or option 2: the Study is postponed to the next Release or option 3: the study is cut in two: one for Rel-19 (with an associated miniWID), one for later.  Huawei is not favourable to split the Study, and would prefer an exception to complete all the work in Rel-19.  DT does not think it is realistic to complete this work in a short time. It will take at least a year.  Ericsson agree with Huawei.  This is to be solved by off-line talks.  It is preferred to go for Option 1, i.e. ask for an exception. | Noted |
| 01 | 7.11.1 | S1-233479 | Novamint | Exception sheet for SNPN |  |  |  |  |  |  |  |  |  | Revision of S1-233211. | Revised to S1-233481 |
| 01r | 7.11.1 | S1-233481 | Novamint | Exception sheet for SNPN |  |  |  |  |  |  |  |  | Replaces S1-233479 |  | Agreed |
| 02 | 7.11.1 | [S1-233262](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233262.zip) | Rapporteur (Novamint) | TR22.848 cover sheet for on step approval | TR |  |  |  |  |  |  |  |  |  | Withdrawn |
| 03 | 7.11.1 | [S1-233263](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233263.zip) | Rapporteur (Novamint) | TR 22.848v0.3.0 Study on Upper layer traffic steering, switching and split over dual 3GPP access | TR |  |  |  |  |  |  |  |  |  | Agreed |
| 01 | 7.12 | [**S1-233099**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233099.zip) | FirstNet, AT&T, SyncTechno, Inc., The Netherlands Police, Apple, Softil, Suomen Erillisverkot Oy, Nkom, Ministere de l'Interieur, UK Home Office, Motorola Solutions, UIC | KPI Requirements for UE to UE Relay | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0738 |  | B | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI19](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=980130) |  |  | Revised to S1-233360 |
| 02 | 7.12 | [S1-233360](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233360.zip) | FirstNet, AT&T, SyncTechno, Inc., The Netherlands Police, Apple, Softil, Suomen Erillisverkot Oy, Nkom, Ministere de l'Interieur, UK Home Office, Motorola Solutions, UIC | KPI Requirements for UE to UE Relay | CR | 22.261 | 0738 | 1 | B | 19.4.0 | Rel-19 | TEI19 | Replaces S1-233099 | Revision of S1-233099.. Was agreed. | Revised to S1-233364 |
| 03 | 7.12 | [S1-233364](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233364.zip) | FirstNet, AT&T, SyncTechno, Inc., The Netherlands Police, Apple, Softil, Suomen Erillisverkot Oy, Nkom, Ministere de l'Interieur, UK Home Office, Motorola Solutions, UIC | KPI Requirements for UE to UE Relay | CR | 22.261 | 0738 | 2 | B | 19.4.0 | Rel-19 | TEI19 | Replaces S1-233360 | Revision of S1-233099. Revision of S1-233360. | Agreed |
| 04 | 7.12 | [**S1-233169**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233169.zip) | Nokia, Nokia Shanghai Bell | CR on Indirect Network Sharing cleanup | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0748 |  | D | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [NetShare](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=1000029) | Editorial issues corrected. | Other spec affected to "no"  Clauses affected not indicated | Revised to S1-233279 |
| 05 | 7.12 | [S1-233279](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233279.zip) | Nokia, Nokia Shanghai Bell | CR on Indirect Network Sharing cleanup | CR | 22.261 | 0748 | 1 | D | 19.4.0 | Rel-19 | NetShare | Replaces S1-233169 | Revision of S1-233065. | Agreed |
| 06 | 7.12 | S1-233085 | TELECOM ITALIA S.p.A. | Roaming Value-Added Services offered by a dedicated RVAS Provider | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0737 |  | F | 19.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [RVAS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990051) |  |  | Withdrawn |
| 07 | 7.12 | [**S1-233064**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233064.zip) | KDDI Corporation | Discussion on scenarios and modes for Rel-19 SA1 Dualsteer | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Withdrawn |
| 01 | 9 | [**S1-233157**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233157.zip) | SyncTechno, Inc. | Task for Marine AtoN over IMT-2030 within IALA DTEC WG2 | other |  |  |  |  |  |  |  | The IALA DTEC WG2 TG on Marine AtoN over IMT-2030 respectfully seeks the cooperation of 3GPP SA WG1 and 3GPP TSG SA in providing relevant information, such as 3GPP events, that would assist IALA DTEC WG2 TG in contributing to the standardization of IMT-2030 within 3GPP, particularly in the context of the Marine AtoN over IMT-2030. We kindly request that any pertinent data or updates be shared with us. |  | Noted |
| 02 | 9 | [**S1-233194**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_104_Chicago/Docs/S1-233194.zip) | Nokia, Nokia Shanghai Bell | Addressing KVIs in SA1 Rel-20 | discussion |  |  |  |  |  |  |  | This is proposing to consider introducing KV/KVIs in SA1 in Rel-20 (Key Value (Indicator)s ). It asks whether SA1 address KV/KVIs from Process and/or Content perspective ? | This needs more off-line talks to check the pros and cons of this approach. | Revised to S1-2335484 |
| 03 | 9 | S1-233584 | Nokia, Nokia Shanghai Bell | Addressing KVIs in SA1 Rel-20 | discussion |  |  |  |  |  |  |  | Replaces S1-233194 | To be progressed after this meeting. | Noted |
| 01 | 10.1 | S1-233500 | Session Chair | Sensing drafting report |  |  |  |  |  |  |  |  |  | Approved, so all documents agreed in the drafting are agreed in SA1. | Agreed |
| 02 | 10.1 | S1-233501 | Session Chair | Ambient IoT drafting report |  |  |  |  |  |  |  |  |  | Approved, so all documents agreed in the drafting are agreed in SA1. | Agreed |
| 03 | 10.1 | S1-233502 | Session Chair | Metaverse drafting report |  |  |  |  |  |  |  |  |  | Approved, so all documents agreed in the drafting are agreed in SA1. | Agreed |
| 04 | 10.1 | S1-233503 | Session Chair | EnergyServ + UAV drafting report |  |  |  |  |  |  |  |  |  | Approved, so all documents agreed in the drafting are agreed in SA1. | Agreed |
| 05 | 10.1 | S1-233504 | Session Chair | ISN + Sat5G drafting report |  |  |  |  |  |  |  |  |  | Approved, so all documents agreed in the drafting are agreed in SA1. | Agreed |
| 06 | 10.1 | S1-233505 | Session Chair | DualSteer + AIML\_Ph2 drafting report |  |  |  |  |  |  |  |  |  |  | Agreed |
| 07 | 10.1 | S1-233506 | Session Chair | SOBOT +FRMCS drafting report |  |  |  |  |  |  |  |  |  | Approved, so all documents agreed in the drafting are agreed in SA1.  The terminology shall be the same as traditionally used in SA1 (i.e. not use "postponed" for CR) | Agreed |
| 01 | 10.2 | S1-233507 | Deutsche Telekom | Sensing Status report |  |  |  |  |  |  |  |  | TR 100%  Normative 80% |  | Noted |
| 02 | 10.2 | S1-233508 | OPPO | AmbientIoT Status report |  |  |  |  |  |  |  |  | TR: 95%  Norm: 80% | TS is for approval, not for information  Planning for next meetings wrong | Noted. |
| 03 | 10.2 | S1-233509 | Samsung | Metaverse Status report |  |  |  |  |  |  |  |  | TR: 100%  Norm: 100% |  | Noted |
| 04 | 10.2 | S1-233510 | UIC | FRMCS\_Ph5 Status report |  |  |  |  |  |  |  |  | TR: 100%  Norm: 100% | Planning for next meetings wrong | Noted. |
| 05 | 10.2 | S1-233511 | OPPO | AIML\_Ph2 Status report |  |  |  |  |  |  |  |  | Norm: 100% |  | Noted. |
| 06 | 10.2 | S1-233512 | Novamint | 5GSAT\_Ph3 Status report |  |  |  |  |  |  |  |  | Norm: 100% |  | Noted. |
| 07 | 10.2 | S1-233513 | China Mobile | UAV\_Ph3 Status report |  |  |  |  |  |  |  |  | Norm: 100% |  | Noted. |
| 08 | 10.2 | S1-233514 | Qualcomm | FS\_DualSteer Status report |  |  |  |  |  |  |  |  | 95% |  | Noted |
| 09 | 10.2 | S1-233515 | China Mobile | EnergieServ Status report |  |  |  |  |  |  |  |  | Norm: 100% |  | Noted. |
| 10 | 10.2 | S1-233516 | LGE | FS\_SOBOT Status report |  |  |  |  |  |  |  |  | Study: 100% |  | Noted. |
| 11 | 10.2 | S1-233517 | Novamint | FS\_ISN Status report |  |  |  |  |  |  |  |  | 65% |  | Noted |
| 12 | 10.2 | S1-233518 | China Telecom | Mini-WID NPNSel Status report |  |  |  |  |  |  |  |  |  |  | Withdrawn |
| 13 | 10.2 | S1-233519 | NOVAMINT | Mini-WID NSS Status report |  |  |  |  |  |  |  |  |  |  | Withdrawn |
| 14 | 10.2 | S1-233520 | Orange | Mini-WID TIE\_IoTAPP Status report |  |  |  |  |  |  |  |  | 0% |  | Noted |
| 15 | 10.2 | S1-233521 | one2many | Mini-WID DUPDET Status report |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | S1-233228 | Reserved | Reserved |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-233229 | Reserved | Reserved |  |  |  |  |  |  |  |  |  |  | Not used |
|  | 99 | S1-233249 | Reserved | Reserved |  |  |  |  |  |  |  |  |  |  | Not allocated |