**3GPP TSG-SA WG1 Meeting #102**

**Berlin, Germany, 22 – 26 May 2023**

# tdoc list SA1#102 version End of Meeting

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| Order | Ag.Item | Tdoc# | Source | Title | Type | Spec | CR# | r | cat | Versionin | Rel | WI | Summary | Discussion | Conclusion |
| 01 | 1.1 | [**S1-231000**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231000.zip) | Chair | 1st Draft Agenda | agenda |  |  |  |  |  |  |  |  |  | Revised to S1-231001 |
| 02 | 1.1 | S1-231001 | Chair | 2nd Draft Agenda | agenda |  |  |  |  |  |  |  |  | Revision of S1-231000. | Revised to S1-231002 |
| 03 | 1.1 | S1-231002 | Chair | Agenda with tdoc allocation | agenda |  |  |  |  |  |  |  |  | Revision of S1-231000. Revision of S1-231001. | Agreed |
| 02 | 1.3 | [**S1-231004**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231004.zip) | ETSI MCC | Draft minutes of previous SA1 meeting | report |  |  |  |  |  |  |  |  |  | Revised to S1-231005 |
| 03 | 1.3 | S1-231005 | ETSI MCC | Minutes of previous SA1 meeting | report |  |  |  |  |  |  |  |  | Revision of S1-231004. | Agreed |
|  | 2 | S1-231010 | SA1 Chair & ETSI MCC | Reserved | other |  |  |  |  |  |  |  |  |  | reserved |
| 01 | 2 | [**S1-231003**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231003.zip) | ETSI MCC | Extract of the 3GPP Work Plan | Work Plan |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 2 | [**S1-231006**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231006.zip) | Chair | SA1-related topics at last SA plenary | report |  |  |  |  |  |  |  |  | Rel-19 timeline has been set by TSGs. | Noted |
| 03 | 2 | [**S1-231011**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231011.zip) | SA1 Chair & ETSI MCC | Initial considerations about Rel-20 calendar | other |  |  |  |  |  |  |  | This is informative and is intended to show SA1 delegates the POSSIBLE timeline for Release 20 if we make the assumption to repeat the Release 19 process | This is nothing formal, not a proposition, etc. It is just for the SA1 officials to start collecting (offline) feedback from the delegates. | Revised to S1-231465 |
| 04 | 2 | **S1-231465** | SA1 Chair & ETSI MCC | Initial considerations about Rel-20 calendar | other |  |  |  |  |  |  |  | Replaces S1-231011 | Formatting can be made clearer in the figure (boxes around the lines, dark grey for "80%" and "100%") | Revised to S1-231466 |
| 05 | 2 | **S1-231466** | SA1 Chair & ETSI MCC | Initial considerations about Rel-20 calendar | other |  |  |  |  |  |  |  | Replaces S1-231465 | Revision of S1-231011. Revision of S1-231465. | Withdrawn |
| 06 | 2 | S1-231009 | SA1 Chair | Draft SA1 slides to Rel-19 TSG workshop | other |  |  |  |  |  |  |  | This is a set of slides to present to TSG's Rel-19 workshop the SA1 work on Rel-19. | Ericsson mention that Stages 2 and 3 should not be reported in these slides (applies to slides 10 and 11).  The chair clarified that this will be an SA1 Chair presentation (not an SA1 presentation).  Huawei wonder if SOBOT has Stages 2 and 3 impacts, so maybe it is not relevant to present it to the workshop. | Noted |
| 07 | 2 | [**S1-231012**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231012.zip) | SA1 Chair & ETSI MCC | New template for Status Report | other |  |  |  |  |  |  |  |  |  | Noted |
| 09 | 2 | [**S1-231007**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231007.zip) | ETSI MCC | MCC info on CR Rules | other |  |  |  |  |  |  |  |  |  | Noted |
| 10 | 2 | [**S1-231008**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231008.zip) | ETSI MCC | MCC info on WID names | other |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 3 | [**S1-231023**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231023.zip) | CT1 | LS on periodic attempts for re-selection to a higher priority SNPN when access for localized services in SNPN is enabled | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**eNPN\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=980128) | In Rel-18, does SA1 have a service requirement that requires the UE to perform periodic attempts to re-select to a higher priority SNPN, when access for localized services in SNPN is enabled? | Several answers proposed, in S1-231096,  S1-231275, S1-231355 and S1-231215 | Replied in S1-231752 |
| 03 | 3 | [**S1-231096**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231096.zip) | OPPO | Reply to CT1 LS on periodic search for higher priority SNPN | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | Reply to CT1 LS on periodic search for higher priority SNPN | See other answers. | Revised to S1-231366 |
| 04 | 3 | **S1-231366** | OPPO | LS Reply to CT1 (cc SA2) on periodic search for higher priority SNPN | LS out |  |  |  |  |  | **Rel-18** |  | Replaces S1-231096  Proposed compromise sentence: "There is no requirement for the periodic attempts to re-select a higher priority SNPN when access for localized services in SNPN is enabled. SA1 does not preclude the downstream working group to discuss a technical solution, if any, regarding to the automatic SNPN selection." | Revision of S1-231096.  Wording to be refined. | Revised to S1-231467 |
| 05 | 3 | **S1-231467** | OPPO | LS Reply to CT1 (cc SA2) on periodic search for higher priority SNPN | LS out |  |  |  |  |  | **Rel-18** |  | Replaces S1-231366 | Revision of S1-231096. Revision of S1-231366. | Revised to S1-231752 |
| 06 | 3 | **S1-231752** | OPPO | LS Reply to CT1 (cc SA2) on periodic search for higher priority SNPN | LS out |  |  |  |  |  | **Rel-18** |  | Replaces S1-231467 | Revision of S1-231096. Revision of S1-231366. Revision of S1-231467. Clean tdoc and accept changes. | Agreed |
| 07 | 3 | [**S1-231275**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231275.zip) | Huawei | Reply LS on periodic attempts for re-selection to a higher priority SNPN when access for localized services in SNPN is enabled | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**eNPN\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=980128) |  | To be merged in 1366 | Merged into S1-231366 |
| 08 | 3 | [**S1-231183**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231183.zip) | Qualcomm | Reply LS on periodic selection to a higher priority SNPN | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Revised to S1-231355 |
| 09 | 3 | [**S1-231355**](https://ftp.3gpp.org/tsg_sa/WG1_Serv/TSGS1_101_Athens/Docs/S1-231355.zip) | Qualcomm | Reply LS on periodic selection to a higher priority SNPN | LS out |  |  |  |  |  | **Rel-18** |  | Replaces S1-231183 | T-Mobile: about "we don't have requirement, so it is not precluded" is an odd approach, since SA1 does not usually write negative requirements. | Noted |
| 10 | 3 | [**S1-231215**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231215.zip) | MediaTek Inc. | Draft Reply LS on periodic attempts for re-selection to a higher priority SNPN when access for localized services in SNPN is enabled | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | LS out from SA1 to CT1 on periodic attempts for re-selection to a higher priority SNPN when access for localized services in SNPN is enabled. | Nokia support the Qualcomm and MediaTek approach.  Xiaomi support the Oppo and Huawei view. | Merged into S1-231355 |
| 12 | 3 | [**S1-231024**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231024.zip) | CT1 | Response to Reply LS on Proposed method for Time Synchronization status reporting to UE(s) | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TRS\_URLLC**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=970024) | CT1 asks SA1 to inform if there is a service requirement to use a new access category for the access attempt described above. | Again, several answers are proposed, in S1-231184+S1-231185 and in S1-231285.  Final answer in 2185 | Replied in 1285 |
| 13 | 3 | [**S1-231184**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231184.zip) | Qualcomm | Reply LS on AC for time Sync status reporting | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | A new category is thought to be needed (cat 11). |  | Noted |
| 14 | 3 | [**S1-231185**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231185.zip) | Qualcomm | CR on new AC for UE sync status reporting | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0689 |  | C | 18.9.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) |  |  | Noted |
| 15 | 3 | [**S1-231285**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231285.zip) | Nokia Denmark | Reply LS on Proposed method for Time Synchronization status reporting to UE(s) | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TRS\_URLLC**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=980033) | SA1 would like to inform that there is no stage 1 requirement to have a separate access category for TRS. | Qualcomm wonder how Nokia know it will be a few milliseconds and not several seconds. Huawei, ZTE, Futurewei share Nokia's view.  A show of hands provided the following indication:  Do we need a new access class (Qualcomm's approach): 3 companies  We do not need a new access class (Nokia): 11 companies | Agreed |
| 17 | 3 | [**S1-231025**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231025.zip) | CT1 | LS on access to stand-alone non-public network services via PLMN and vice versa | LS in |  |  |  |  |  |  |  | CT1 ask SA1 the following questions:  1. Whether a UE needs to take into account the non-public network services the UE is currently using when the UE selects a PLMN to access these non-public network services, to ensure service continuity (and vice versa)?  2. Whether a UE needs to take into account which non-public network services the UE intends to access when the UE selects a PLMN to access the non-public network services, to ensure the selected PLMN has agreement/SLA with the non-public network (and vice versa)?  3. Can the UE use any RAT of a PLMN to access non-public network services via the PLMN or take into account RAT for service experience consistency of the non-public network services? | Two different answers are provided: S1-231186 and S1-231132 | Postponed |
| 18 | 3 | [**S1-231186**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231186.zip) | Qualcomm | Reply LS on access to NPN services via PLMN and vice versa | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | Qualcomm propose to answer that there are no SA1 service requirements that address the above aspects. | No consensus on the answer at this meeting, LS postponed | Noted |
| 19 | 3 | [**S1-231132**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231132.zip) | China Mobile | Reply LS on access to stand-alone non-public network services via PLMN and vice versa | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | China Mobile proposes to answer respectively: yes, yes, no. | T-Mobile support Qualcomm, ZTE and Futurewei support China Mobile.  A show of hands indicate that:  Qualcomm view: 7 companies  China Mobile view: 5 companies  For T-Mobilr, there is clearly no requirement, so adding it "on the fly" by LS is not an appropriate approach. Some work is needed in SA1.  Kept open until Thursday | Revised to S1-231714 |
| 20 | 3 | **S1-231714** | China Mobile | Reply LS on access to stand-alone non-public network services via PLMN and vice versa | LS out |  |  |  |  |  | **Rel-18** |  | Replaces S1-231132 | Revision of S1-231132. | Noted |
| 22 | 3 | [**S1-231029**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231029.zip) | SA2 | LS on the requirement on low power or high accuracy positioning | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**5G\_eLCS\_Ph3**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=980111) | SA2 ask SA1 whether SA1 specifies the requirement on “low power or high accuracy” positioning in release 18. | See proposed answers in S1-231233, S1-231054, S1-231228 and S1-231230 | Replied in S1-231370 |
| 23 | 3 | [**S1-231289**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231289.zip) | Huawei Technologies France | LS response to SA2 on LPHAP | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  | Wrong format. | Revised to S1-231370 |
| 24 | 3 | **S1-231370** | Huawei Technologies France | LS response to SA2 on LPHAP | LS out |  |  |  |  |  | **Rel-18** |  | Replaces S1-231289 | Revision of S1-231289. Apply right format | Agreed |
| 25 | 3 | [**S1-231233**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231233.zip) | Xiaomi | Reply LS on the requirement on low power or high accuracy positioning | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**LPHAP**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910036) | This is the reply LS to SA2 on the requirement on low power or high accuracy positioning. |  | Noted |
| 26 | 3 | [**S1-231054**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231054.zip) | Xiaomi, Inspur | Discussion on Low Power High Accuracy Positioning (LPHAP) | discussion |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**LPHAP**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910036) | The LPHAP requirements of the relationship between Low Power and High Accuracy Positioning need to be clarified. |  | Noted |
| 27 | 3 | [**S1-231228**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231228.zip) | Xiaomi, Inspur | Clarification about LPHAP | CR | [**22.104**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0095 |  | F | 18.3.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**LPHAP**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910036) | Clarify that LPHAP includes ‘Low Power and High Accuracy Positioning’ and ‘Low Power Positioning’. |  | Noted |
| 28 | 3 | [**S1-231230**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231230.zip) | Xiaomi, Inspur | Clarification about LPHAP | CR | [**22.104**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3528) | 0096 |  | A | 19.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**LPHAP**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910036) | Clarify that LPHAP includes ‘Low Power and High Accuracy Positioning’ and ‘Low Power Positioning’. |  | Noted |
| 30 | 3 | [**S1-231040**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231040.zip) | C1-231235 | Reply LS to SA1 on SENSE for home PLMN and disaster roaming PLMN | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | Question: Does “not applied by the UE” include the case when SENSE feature is disabled or not supported by the UE? | Proposed answers in 1073 and S1-231236, merged in S1-231354  final answer in 1804 | Answered |
| 31 | 3 | [**S1-231073**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231073.zip) | vivo | Reply on Reply LS on SENSE for home PLMN and disaster roaming PLMN | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  | Proposed answers in 1073 and S1-231236, merged in S1-231354 | Revised to S1-231354 |
| 32 | 3 | **S1-231354** | vivo | Reply on Reply LS on SENSE for home PLMN and disaster roaming PLMN | LS out |  |  |  |  |  | **Rel-18** |  | Replaces S1-231073, merging of 1073 and S1-231236 | See CR in 1239.  Apple's 1236 to be used as basis, this one is to be merged in it | Noted |
| 33 | 3 | [**S1-231236**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231236.zip) | Apple | Reply LS on SENSE for home PLMN and disaster roaming PLMN | LS out |  |  |  |  |  |  |  |  | Proposed answers in 1073 and S1-231236, merged in S1-231354 | Revised to S1-231804 |
| 33r | 3 | **S1-231804** | Apple | Reply LS on SENSE for home PLMN and disaster roaming PLMN | LS out |  |  |  |  |  |  |  | Replaces S1-231236 |  | Agreed |
| 34 | 3 | [**S1-231239**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231239.zip) | Apple | Clarification on selection of Forbidden PLMN during Disaster Conditions when Operator controlled signal threshold applies | CR | [**22.011**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0350 |  | F | 18.4.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | MINT, SENSE |  |  | Revised to S1-231371 |
| 35 | 3 | **S1-231371** | Apple | Clarification on selection of Forbidden PLMN during Disaster Conditions when Operator controlled signal threshold applies | CR | **22.011** | 0350 | 1 | F | 18.4.0 | **Rel-18** | **MINT, SENSE** | Replaces S1-231239 | Revision of S1-231239. | Agreed |
| 36 | 3 | [**S1-231240**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231240.zip) | Apple | Clarification on selection of Forbidden PLMN during Disaster Conditions when Operator controlled signal threshold applies | CR | [**22.011**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=566) | 0351 |  | A | 19.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | MINT, SENSE |  |  | Revised to S1-231372 |
| 37 | 3 | **S1-231372** | Apple | Clarification on selection of Forbidden PLMN during Disaster Conditions when Operator controlled signal threshold applies | CR | **22.011** | 0351 | 1 | A | 19.0.0 | **Rel-19** | **MINT, SENSE** | Replaces S1-231240 | Revision of S1-231240. | Agreed |
| 39 | 3 | [**S1-231035**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231035.zip) | SA5 | LS on customer acceptance of limited QoS degradation to save energy in the network | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_EE5G\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=940036) | SA1 is asked to provide feedback on the potential new use case described above, e.g. in terms of relevance, acceptability and potential benefits for service providers and customers (e.g. Verticals), etc. | Answered in 1468 | Replied in 1468 |
| 40 | 3 | [**S1-231134**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231134.zip) | China Mobile | Reply LS on customer acceptance of limited QoS degradation to save energy in the network | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | Merged with S1-231252 in S1-231345 |  | Revised to S1-231345 |
| 41 | 3 | **S1-231345** | China Mobile | Reply LS on customer acceptance of limited QoS degradation to save energy in the network | LS out |  |  |  |  |  | **Rel-18** |  | Merge of S1-231134 and S1-231252 | Revision of S1-231134. | Revised to S1-231376 |
| 42 | 3 | **S1-231376** | China Mobile | Reply LS to SA5 (cc GSMA ENSWI, 3GPP SA) on customer acceptance of limited QoS degradation to save energy in the network | LS out |  |  |  |  |  | **Rel-18** |  | Replaces S1-231345 | Revision of S1-231134. Revision of S1-231345.  Clean-up needed | Revised to S1-231468 |
| 43 | 3 | **S1-231468** | China Mobile | Reply LS to SA5 (cc GSMA ENSWI, 3GPP SA) on customer acceptance of limited QoS degradation to save energy in the network | LS out |  |  |  |  |  | **Rel-18** |  | Replaces S1-231376 | Revision of S1-231134. Revision of S1-231345. Revision of S1-231376. Accept changes and clean up. Delete word Draft. | Agreed |
| 44 | 3 | [**S1-231252**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231252.zip) | Nokia, Nokia Shanghai Bell | Reply LS on customer acceptance of limited QoS degradation to save energy in the network | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_EE5G\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=940036) | Merged with S1-231134 in S1-231345 |  | Merge into S1-231345 |
| 46 | 3 | [**S1-231036**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231036.zip) | SA5 | Reply LS on DN energy efficiency | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**EE5GPLUS\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=940037) | SA1 is asked to inform SA5 to identify any additional requirements related to energy consumption and energy efficiency. |  | Replied in 1469 |
| 47 | 3 | [**S1-231133**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231133.zip) | China Mobile | Reply LS on Reply LS on DN energy efficiency | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | In the SA1 study FS\_EnergyServ, some potential requirements have been consolidated from the use cases, the detail information can be seen in the attached pCR. |  | Revised to S1-231377 |
| 48 | 3 | **S1-231377** | China Mobile | Reply LS on Reply LS on DN energy efficiency | LS out |  |  |  |  |  | **Rel-18** |  | Replaces S1-231133 | Revision of S1-231133. | Revised to S1-231469 |
| 49 | 3 | **S1-231469** | China Mobile | Reply LS on Reply LS on DN energy efficiency | LS out |  |  |  |  |  | **Rel-18** |  | Replaces S1-231377 | Revision of S1-231133. Revision of S1-231377. Delete Draft In the SA1 R19 study FS\_EnergyServ, several SA5 specifications mentioned in the incoming LS have been considered and referenced during the study, and some potential requirements have been consolidated from the use cases. Detailed information can be found in TR 22.882 [1]. | Agreed |
| 51 | 3 | [**S1-231037**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231037.zip) | SA5 | LS on 3GPP work on Energy Efficiency | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**EE5GPLUS\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=940037) | Several groups are asked to correct and/or complement the table present in the attached document if and where deemed appropriate and to keep SA5 informed in case of new Rel-18 SI/WI addressing energy efficiency and/or energy saving and/or digital sobriety, so that SA5 can maintain such information for the Rel-18 or later release timeframe. | Proposed answer in 1260  final answer in 1805 | Answered |
| 52 | 3 | [**S1-231260**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231260.zip) | Nokia, Nokia Shanghai Bell | Reply LS on 3GPP work on Energy Efficiency | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**EE5GPLUS\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=940037) | SA1 would like to inform that there is no ongoing study related to Rel-18 anymore. However, SA1 provides an update to the table provided by SA5 here below. Note that the ongoing SID relates to Rel-19 and not Rel-18. | some typos to be corrected | Revised to S1-231378 |
| 53 | 3 | **S1-231378** | Nokia, Nokia Shanghai Bell | Reply LS to SA5 (cc SA, RAN, CT, SA1, SA2, SA3, SA4, SA6, RAN1, RAN2, RAN3, RAN4, CT3, CT4) on 3GPP work on Energy Efficiency | LS out |  |  |  |  |  | **Rel-18** | **EE5GPLUS\_Ph2** | Replaces S1-231260 | Revision of S1-231260. | Revised to S1-231805 |
| 53r | 3 | **S1-231805** | Nokia, Nokia Shanghai Bell | Reply LS to SA5 (cc SA, RAN, CT, SA1, SA2, SA3, SA4, SA6, RAN1, RAN2, RAN3, RAN4, CT3, CT4) on 3GPP work on Energy Efficiency | LS out |  |  |  |  |  | **Rel-18** | **EE5GPLUS\_Ph2** | Replaces S1-231378 |  | Agreed. |
| 55 | 3 | [**S1-231034**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231034.zip) | SA3 | LS on Roaming architecture updates | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 56 | 3 | [**S1-231268**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231268.zip) | Vodafone | Reply LS on Roaming architecture updates | LS out |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 58 | 3 | [**S1-231055**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231055.zip) | GSMA 5GMRR Doc 41\_37r2 | LS to 3GPP (SA, SA1, SA2, SA3, CT4) on GSMA requirements regarding intermediaries in the roaming ecosystem | LS in |  |  |  |  |  |  |  |  |  | Replied in S1-231776 |
| 59 | 3 | [**S1-231056**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231056.zip) | GSMA 5GMRR#41 Doc 38r2 | LS to 3GPP SA1, SA2, SA3 on response to 3GPP on IPX Requirements for 5GS Roaming | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 60 | 3 | [**S1-231057**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231057.zip) | GSMA 5GMRR Doc 41\_39r2 | LS to 3GPP SA1, SA2, SA3 on Roaming Value Added Service Requirements | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 61 | 3 | [**S1-231058**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231058.zip) | GSMA 5GMRR Doc 41\_40r4 | LS to 3GPP SA1, SA2, SA3 on Roaming Hubbing requirements and response to S3-214456 | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 62 | 3 | [**S1-231076**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231076.zip) | Deutsche Telekom | LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | LS out |  |  |  |  |  |  |  |  | A show of hands provides:  Vodafone's view (1268): 1 company  DT's view (1076): 11 companies | Revised to S1-231379 |
| 63 | 3 | **S1-231379** | Deutsche Telekom | LS on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | LS out |  |  |  |  |  |  |  | Replaces S1-231076 | Revision of S1-231076.  Needs further off line talks. | Revised to S1-231470 |
| 64 | 3 | **S1-231470** | Deutsche Telekom | LS to SA, SA3 (cc SA2, CT4) on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | LS out |  |  |  |  |  |  |  | Replaces S1-231379 | Revision of S1-231076. Revision of S1-231379.  The "marketing part" has to be deleted | Revised to S1-231776 |
| 65 | 3 | **S1-231776** | Deutsche Telekom | LS to SA, SA3 (cc SA2, CT4) on GSMA requirements regarding intermediaries in the roaming ecosystem and related LSs | LS out |  |  |  |  |  |  |  | Replaces S1-231470 | Revision of S1-231076. Revision of S1-231379. Revision of S1-231470. Delete join 3GPP and No presentation | Agreed |
| 67 | 3 | [**S1-231064**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231064.zip) | ITU T Focus Group on metaverse (FG-MV)-LS1 | LS to SA1 on requesting collaboration on metaverse standardization work | LS in |  |  |  |  |  |  |  | to inform that a new group on Metaverse has been created in ITU. | Proposed answer in 1207. | Replied in S1-231753 |
| 68 | 3 | [**S1-231207**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231207.zip) | Nokia, Nokia Shanghai Bell | Reply LS on requesting collaboration on metaverse standardization work | LS out |  |  |  |  |  |  |  | To tell ITU what SA1 is doing on Metaverse. | No fundamental issues but several wording concerns, e.g. about " that SA1 will then start working on Rel-20 release topics related to 6G"  There is no 3GPP rule that would forbid to answer to ITU-T. | Revised to S1-231385 |
| 69 | 3 | **S1-231385** | Nokia, Nokia Shanghai Bell | Reply LS on requesting collaboration on metaverse standardization work | LS out |  |  |  |  |  |  |  | Replaces S1-231207 | Revision of S1-231207.  Some refinements needed | Revised to S1-231471 |
| 70 | 3 | **S1-231471** | Nokia, Nokia Shanghai Bell | Reply LS to ITU-T Focus Group on metaverse (FG-MV) (cc SA4) on requesting collaboration on metaverse standardization work | LS out |  |  |  |  |  |  |  | Replaces S1-231385 | Revision of S1-231207. Revision of S1-231385. | Revised to S1-231753 |
| 71 | 3 | **S1-231753** | Nokia, Nokia Shanghai Bell | Reply LS to ITU-T Focus Group on metaverse (FG-MV) (cc SA4) on requesting collaboration on metaverse standardization work | LS out |  |  |  |  |  |  |  | Replaces S1-231471 | Revision of S1-231207. Revision of S1-231385. Revision of S1-231471. Clean track changes. | Agreed |
| 73 | 3 | [**S1-231204**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231204.zip) | Nokia, Nokia Shanghai Bell | LS on Metaverse requirements and KPIs | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-231596 |
| 74 | 3 | **S1-231596** | Nokia, Nokia Shanghai Bell | LS to Metaverse Standards Forum (MSF) Network Requirements and Capabilities Domain Working Group on Metaverse requirements and KPIs | LS out |  |  |  |  |  |  |  |  | Revision of S1-231204. | Revised to S1-231697 |
| 75 | 3 | **S1-231697** | Nokia, Nokia Shanghai Bell | LS to Metaverse Standards Forum (MSF) Network Requirements and Capabilities Domain Working Group on Metaverse requirements and KPIs | LS out |  |  |  |  |  |  |  |  | Revision of S1-231204. Revision of S1-231596. | Revised to S1-231729 |
| 76 | 3 | **S1-231729** | Nokia, Nokia Shanghai Bell | LS to Metaverse Standards Forum (MSF) Network Requirements and Capabilities Domain Working Group (cc SA) on Metaverse requirements and KPIs | LS out |  |  |  |  |  |  |  | Replaces S1-231697 | copied to SA | Agreed |
| 77 | 3 | [**S1-231095**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231095.zip) | Samsung | [DRAFT] LS on IMS-based 3D Avatar Call Support for Accessibility | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | This LS asks ITU-T SG16 for feedback on accessibility aspects of 3D Avatar Call. |  | Noted |
| 79 | 3 | [**S1-231060**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231060.zip) | ISO/IEC JTC 1/SC 29 N 21129 | LS to 3GPP SA 1 on Video Coding for Machines and Haptic Use Cases | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 80 | 3 | [**S1-231065**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231065.zip) | ITU T SG13-LS78 | LS to SA1 on Information and request of advice on the SG13 plan to initiate a new work item on "Requirements and framework of network function enhancements of IMT-2020 networks and beyond from the energy efficiency perspective" at its 23 October - 3 November 2023 meeting | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 82 | 3 | [**S1-231021**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231021.zip) | CT1 | Reply LS on issues related to SNPN selection for localized services | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**eNPN\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=980128) |  |  | Noted |
| 83 | 3 | [**S1-231022**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231022.zip) | CT1 | Reply LS on 3GPP work on Energy Efficiency | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**EE5GPLUS\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=940037) |  |  | Noted |
| 84 | 3 | [**S1-231026**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231026.zip) | CT3 | Reply LS on 3GPP work on Energy Efficiency | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  |  | Noted |
| 85 | 3 | [**S1-231027**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231027.zip) | RAN2 | Reply LS to SA2 on Low Power High Accuracy Positioning | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**NR\_pos\_enh2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=981038) |  |  | Noted |
| 86 | 3 | [**S1-231066**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231066.zip) | SP-230384 | Reply LS (cc SA1) on 5G capabilities exposure for factories of the future – identified gaps | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 87 | 3 | [**S1-231028**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231028.zip) | SA2 | Reply LS on 5G capabilities exposure for factories of the future – identified gaps (5G-ACIA-LS-2022-005 / S2-2302175) | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 88 | 3 | [**S1-231032**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231032.zip) | SA3 | LS reply to TSG SA on LS 5G-ACIA-LS-2022-005 on 5G capabilities exposure for factories of the future – identified gaps from 5G ACIA | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 89 | 3 | [**S1-231038**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231038.zip) | SA6 | LS reply to TSG SA on LS 5G-ACIA-LS-2022-005 on 5G capabilities exposure for factories of the future – identified gaps from 5G ACIA | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 90 | 3 | [**S1-231030**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231030.zip) | SA2 | Reply LS on clarification on user consent for AI/ML | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**FS\_AIMLsys**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=940071) |  |  | Noted |
| 91 | 3 | [**S1-231031**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231031.zip) | SA2 | Reply LS on issues related to SNPN selection for localized services | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | eNPN, eNPN\_Ph2 |  |  | Noted |
| 92 | 3 | [**S1-231033**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231033.zip) | SA3 | Reply LS on the user consent for trace reporting | LS in |  |  |  |  |  | [**Rel-17**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**NR\_ENDC\_SON\_MDT\_enh-Core**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=860153) |  |  | Noted |
| 93 | 3 | [**S1-231039**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231039.zip) | SA6 | LS on SA6 V2X service support | LS in |  |  |  |  |  | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | V2XAPP, ADAES, SNAAPP |  |  | Noted |
| 94 | 3 | [**S1-231059**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231059.zip) | GSMA 5GMRR Doc 41\_41r3 | LS (cc SA1) on GSMA 5GMRR Working solution assumption on L-PRINS and Data Session Control | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 95 | 3 | [**S1-231061**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231061.zip) | S2-2303689 | Reply LS (cc SA1) on Progress and open issues for NPN enhancements in Rel-18 | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 96 | 3 | [**S1-231062**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231062.zip) | S4-230431 | LS to SA, SA1, SA2, SA3, SA5, SA6 An Invitation to the SA4 Gender Diversity Committee Meetings | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 97 | 3 | [**S1-231063**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231063.zip) | ITU-T Study Group 13 -LS79 | LS (Cc SA1) on initiation of new work item ITU-T Y.REOUPF: “Resource efficiency optimization for managing user plane function in IMT-2020 networks and beyond” | LS in |  |  |  |  |  |  |  |  |  | Noted |
| 98 | 3 | S1-231203 | Nokia, Nokia Shanghai Bell | LS on Metaverse requirements and KPIs | LS out |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Withdrawn |
| 02 | 4 | [**S1-231041**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231041.zip) | Deutsche Telekom AG, Orange, Sharp Corporation, ZTE | New WID on Integrated Sensing and Communication | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | This new WID proposes to start normative work, following the FS\_Sensing study item. |  | Revised to S1-231559 |
| 03 | 4 | **S1-231446** | Deutsche Telekom AG, Orange, Sharp Corporation, ZTE | New WID on Integrated Sensing and Communication | WID new |  |  |  |  |  |  |  |  | Revision of S1-231041.  Added supported companies: QC, Samsung, Sony, LG, Lenovo, FirstNet, Vodafone, vivo  New TS or 22.261?  22.261: 8 companies  new TS: 11 companies  objecting if 22.261: 1  objection new TS: 2 companies | Revised to S1-231559 |
| 04 | 4 | **S1-231559** | Deutsche Telekom AG, Orange, Sharp Corporation, ZTE | New WID on Integrated Sensing and Communication | WID new |  |  |  |  |  |  |  | Replaces S1-231446  More companies have co-signed. | Sensing: in a new TS or in 22.261?  22.261: 9 companies  new TS: 8 companies  objection:  only 22.261 (and no TS):: 2 objection  new TS: 3 objections  KPN underlined that having a dedicated TS will decoupled from the generation.  The way forward, a new TS is created and changes on 22.261 will be introduced whenever needed.  "None" to be removed in section 8.  supporting companies to be added (at least Oppo)  Rev marks to be removed | Revised to S1-231778 |
| 05 | 4 | **S1-231778** | Deutsche Telekom AG, Orange, Sharp Corporation, ZTE | New WID on Integrated Sensing and Communication | WID new |  |  |  |  |  |  |  | Replaces S1-231559 | Revision of S1-231041. Revision of S1-231559. Clean the document. Section 8 is empty and adding new supporting companies | Agreed |
| 06 | 4 | [**S1-231311**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231311.zip) | Deutsche Telekom AG | Skeleton for new WID on Sensing - if new TS would be needed | TS |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Agreed |
| 07 | 4 | [**S1-231046**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231046.zip) | SHARP Corporation | Support of a new TS for Integrated Sensing and Communication | discussion |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | Moved from 7.1 | Noted |
| 08 | 4 | [**S1-231254**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231254.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) |  | New WID on Ambient power-enabled Internet of Things |  | Revised to S1-231420 |
| 09 | 4 | **S1-231420** | OPPO | New WID on Ambient power-enabled Internet of Things |  |  |  |  |  |  |  |  |  | Revision of S1-231254. | Revised to S1-231457 |
| 09r | 4 | **S1-231792** | OPPO | New WID on Ambient power-enabled Internet of Things | WID new |  |  |  |  |  |  |  | Replaces S1-231493 |  | Noted |
| 10 | 4 | **S1-231457** | OPPO | New WID on Ambient power-enabled Internet of Things | WID new |  |  |  |  |  |  |  | This is the WID for the normative part of AmbientIoT. | Revision of S1-231254. Revision of S1-231420.  The question is whether a new dedicated TS is needed or not.  A show of hands indicated that:  New TS needed: 10 companies in favour  No new TS needed (22.261 will cover it): 5 companies in favour  2 companies object to have a dedicated TS  3 companies object not to have a dedicated TS | Revised to S1-231493 |
| 11 | 4 | **S1-231493** | OPPO | New WID on Ambient power-enabled Internet of Things | WID new |  |  |  |  |  |  |  | Replaces S1-231457 | Revision of S1-231254. Revision of S1-231420. Revision of S1-231457.  For Ericsson, there is still a lot of work to go on the study, so it would be premature to agree on the normative WID.  For KPN, to be able to reach 80% in Sept, the normative WID should be agreed now. | Revised to S1-231792 |
| 12 | 4 | **S1-231494** | Editor | Skeleton for new TS on AmbientIoT if needed | TS |  |  |  |  |  |  |  |  | Revision of S1-231041. | Noted |
| 13 | 4 | [**S1-231047**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231047.zip) | SHARP Corporation | Support of a new TS for Ambient power-enabled Internet of Things | discussion |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | Moved from 7.2 | Noted |
| 14 | 4 | [**S1-231081**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231081.zip) | SAMSUNG R&D INSTITUTE JAPAN | Localized Mobile Metaverse Services | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | This WID would pursue normative work concluded by the FS\_Metaverse study. |  | Revised to S1-231595 |
| 15 | 4 | **S1-231595** | SAMSUNG | Localized Mobile Metaverse Services | WID new |  |  |  |  |  |  |  |  | Revision of S1-231081. | Revised to S1-231715 |
| 16 | 4 | **S1-231715** | SAMSUNG | Localized Mobile Metaverse Services | WID new |  |  |  |  |  |  |  | Replaces S1-231595  New WID for the normative work of Metaverse | Several additional supporting companies to be added. | Revised to S1-231730 |
| 17 | 4 | **S1-231730** | SAMSUNG | Localized Mobile Metaverse Services | WID new |  |  |  |  |  |  |  | Replaces S1-231715 | Revision of S1-231081. Revision of S1-231595. Revision of S1-231715. | Revised to S1-231750 |
| 18 | 4 | **S1-231750** | SAMSUNG | Localized Mobile Metaverse Services | WID new |  |  |  |  |  |  |  | Replaces S1-231730 | Revision of S1-231081. Revision of S1-231595. Revision of S1-231715. Revision of S1-231730. | Revised to S1-231783 |
| 19 | 4 | **S1-231783** | SAMSUNG | Localized Mobile Metaverse Services | WID new |  |  |  |  |  |  |  | Replaces S1-231750 | More supporting companies to be added.  output in 22.261 and in a new TS  rev marks to be cleaned | Revised to S1-231790 |
| 20 | 4 | **S1-231790** | SAMSUNG | Localized Mobile Metaverse Services | WID new |  |  |  |  |  |  |  | Replaces S1-231783 | Revision of S1-231081. Revision of S1-231595. Revision of S1-231715. Revision of S1-231730. Revision of S1-231750. Revision of S1-231783. Clean document, Add supporting companies | Agreed |
| 21 | 4 | [**S1-231050**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231050.zip) | China Unicom | New WID of INS | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Updated version WID of Indirect Network sharing , with CRs for meeting discussion. |  | Revised to S1-231515 |
| 22 | 4 | **S1-231515** | China Unicom | New WID of INS | WID new |  |  |  |  |  |  |  |  | Revision of S1-231050. | Revised to S1-231711 |
| 23 | 4 | **S1-231711** | China Unicom | New WID of INS | WID new |  |  |  |  |  |  |  | Replaces S1-231515 | Revision of S1-231050. Revision of S1-231515. | Revised to S1-231734 |
| 24 | 4 | **S1-231734** | China Unicom | New WID of INS | WID new |  |  |  |  |  |  |  | Replaces S1-231711 | Revision of S1-231050. Revision of S1-231515. Revision of S1-231711.  Huawei: box on "AN" should say "no impact on AN"  Samsung: how is it possible, that AN is untouched?  Huawei: then Huawei objects this WID.  "Don't know" is a compromise. | Revised to S1-231806 |
| 24r | 4 | **S1-231806** | China Unicom | New WID of NetShare | WID new |  |  |  |  |  |  |  | Replaces S1-231734 |  | Agreed. |
| 25 | 4 | [**S1-231049**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231049.zip) | China Unicom | Add Indirect Network Sharing to TS 22.261 | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0682 |  | B | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**SMARTER\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=790001) | A basic CR service for WID INS. To add a new part for R19 network sharing with corresponding requirements and Annex for further clarification. | Wrong rev counter (to fix in new version), Supporting companies with ? | Revised to S1-231712 |
| 26 | 4 | **S1-231712** | China Unicom | Add Indirect Network Sharing to TS 22.261 | CR | **22.261** | 0682 | 1 | B | 19.2.0 | **Rel-19** | **SMARTER\_Ph2** | Replaces S1-231049 | Wrong rev counter (to fix in new version), Supporting companies with ? Revision of S1-231049.  Some formatting problems with the pictures.  Mistakes on the cover page | Revised to S1-231735 |
| 27 | 4 | **S1-231735** | China Unicom | Add Indirect Network Sharing to TS 22.261 | CR | **22.261** | 0682 | 2 | B | 19.2.0 | **Rel-19** | **SMARTER\_Ph2** | Replaces S1-231712.  Image clarified | Wrong rev counter (to fix in new version), Supporting companies with ? Revision of S1-231049. Revision of S1-231712. | Agreed |
| 28 | 4 | [**S1-231068**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231068.zip) | China Unicom | Add definitions for Indirect Network Sharing | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0684 |  | B | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**SMARTER\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=790001) | The dos is proposed to add definitions for R19 network sharing requirements, taking into consideration of alignment with TS 22.101. | Wrong rev counter (to fix in new version) Supporting companies with ?  Mistakes on the cover page | Revised to S1-231736 |
| 29 | 4 | **S1-231736** | China Unicom | Add definitions for Indirect Network Sharing | CR | **22.261** | 0684 | 1 | B | 19.2.0 | **Rel-19** | **SMARTER\_Ph2** | Replaces S1-231068 | Wrong rev counter (to fix in new version) Supporting companies with ? Revision of S1-231068. | Agreed |
| 30 | 4 | [**S1-231053**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231053.zip) | China Unicom | General and charging requirements of INS to TS 22.261 | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0683 |  | B | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**SMARTER\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=790001) | It is proposed to add general requirements related with newly defined network sharing scenario for R19 network sharing. | Wrong rev counter (to fix in new version) Supporting companies with ?  Withdrawn by the author | Noted |
| 30rrrrr | 4 | **S1-231763** | China Mobile Com. Corporation | WID\_UAV\_Ph3 | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231705 | Now UAS and not UAV  Clean-up needed | Revised to S1-231809 |
| 30rrrrrr | 4 | **S1-231809** | China Mobile Com. Corporation | WID\_UAV\_Ph3 | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231763 |  | Agreed. |
| 31 | 4 | [**S1-231101**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231101.zip) | OPPO | new WID\_AIML-Ph2 | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | WID on AIML\_MT\_Ph2 |  | Revised to S1-231513 |
| 32 | 4 | **S1-231513** | OPPO | new WID\_AIML-Ph2 | WID new |  |  |  |  |  |  |  |  | Revision of S1-231101.  Qualcomm to be removed at this stage  remove bracket. CLean. | Revised to S1-231807 |
| 32r | 4 | **S1-231807** | OPPO | new WID\_AIML-Ph2 | WID new |  |  |  |  |  |  |  | Replaces S1-231513 |  | Agreed. |
| 33 | 4 | [**S1-231089**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231089.zip) | NOVAMINT, China Telecom, Thales, Airbus, Avanti, CEWiT, ESA, ETRI, Eutelsat, GateHouse, Gilat, Hughes Network systems, IIIT Hyderabad, Inmarsat, Intelsat, IRT Saint Exupéry, Ligado, Lockheed Martin, Nokia, Omnispace, OneWeb, Sateliot, SES, ST Engineering iDirect Ireland, TNO, TTP | New WID on Satellite access Phase 3 | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-231571 |
| 34 | 4 | **S1-231571** | NOVAMINT | New WID on Satellite access Phase 3 | WID new |  |  |  |  |  |  |  | For normative 5GSat\_Ph3 | Revision of S1-231089.  More supporters will be added  2 rapporteurs. This is an exceptional case. | Revised to S1-231738 |
| 35 | 4 | **S1-231738** | NOVAMINT | New WID on Satellite access Phase 3 | WID new |  |  |  |  |  |  |  | Replaces S1-231571 | Revision of S1-231089. Revision of S1-231571. Delete in Justification for terrestrial network planning , without going through the ground network and with intermittent/temporary satellite connectivity for delay-tolerant communication service . Add supporting companies. Chapter 8 empty. | Agreed |
| 36 | 4 | [**S1-231113**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231113.zip) | Union Internationale des Chemins de Fer | New WID on FRMCS Phase 5 | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | This new WID aims to introduce the findings of the corresponding Rel-19 SID FS\_FRMCS\_Ph5 into normative in the timeline of Rel.-19., to achieve the alignement between FRMCS and 3GPP specifications. |  | Revised to S1-231634 |
| 37 | 4 | **S1-231634** | UIC | New WID on FRMCS Phase 5 | WID new |  |  |  |  |  |  |  | WID for the normative work of FRMCS. | Revision of S1-231113.  This WID is the outcome of the 80% progress of the SID.  Huawei to be added as supporting  More off-line discussions needed | Revised to S1-231733 |
| 38 | 4 | **S1-231733** | UIC | New WID on FRMCS Phase 5 | WID new |  |  |  |  |  |  |  | Replaces S1-231634 | 22.261 should be listed in the impacted specs. | Revised to S1-231779 |
| 39 | 4 | **S1-231779** | UIC | New WID on FRMCS Phase 5 | WID new |  |  |  |  |  |  |  | Replaces S1-231733 | Revision of S1-231113. Revision of S1-231634. Revision of S1-231733.  Clean-up needed. "MC" to be deleted in "Stage 1 MC specifications". | Revised to S1-231808 |
| 39r | 4 | **S1-231808** | UIC | New WID on FRMCS Phase 5 | WID new |  |  |  |  |  |  |  | Replaces S1-231779 |  | Agreed. |
| 40 | 4 | [**S1-231310**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231310.zip) | UIC | Usage of multi-talker control for Ad hoc Group Emergency Voice Communications | CR | [**22.179**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=623) | 0076 |  | C | 17.1.0 | [**Rel-17**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**FS\_FRMCS\_Ph5**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950007) | Usage of multi-talker control for Ad hoc Group Emergency Voice Communications | Moved from 6.3 WI FS\_FRMCS\_Ph5 Rel-19 CR0076R- Cat C Wrong WI\_Code? | Revised to S1-231329 |
| 41 | 4 | **S1-231329** | UIC | Usage of multi-talker control for Ad hoc Group Emergency Voice Communications | CR | **22.179** | 0076 | 1 | C | 17.1.0 | **Rel-17** | **FS\_FRMCS\_Ph5** | Replaces S1-231310 | Moved from 6.3 WI FRMCS\_Ph5 Rel-19 CR0076R- Cat C Wrong WI\_Code? Revision of S1-231310. | Revised to S1-231635 |
| 42 | 4 | **S1-231635** | UIC | 22.179v17.1.0 Usage of multi-talker control for Ad hoc Group Emergency Voice Communications |  |  |  |  |  |  |  |  |  | Moved from 6.3 WI FRMCS\_Ph5 Rel-19 CR0076R- Cat C Wrong WI\_Code? Revision of S1-231310. Revision of S1-231329. | Agreed |
| 43 | 4 | [**S1-231263**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231263.zip) | China Mobile Com. Corporation | WID\_UAV\_Ph3 | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | Moved from 7.8 | Revised to S1-231380 |
| 44 | 4 | **S1-231380** | China Mobile Com. Corporation | WID\_UAV\_Ph3 | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231263 | Moved from 7.8 Revision of S1-231263. | Revised to S1-231616 |
| 45 | 4 | **S1-231616** | China Mobile Com. Corporation | WID\_UAV\_Ph3 | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231380 | Moved from 7.8 Revision of S1-231263. Revision of S1-231380. | Revised to S1-231619 |
| 46 | 4 | **S1-231619** | China Mobile Com. Corporation | WID\_UAV\_Ph3 | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231616 | Moved from 7.8 Revision of S1-231263. Revision of S1-231380. Revision of S1-231616. | Revised to S1-231625 |
| 47 | 4 | **S1-231625** | China Mobile Com. Corporation | WID\_UAV\_Ph3 | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231619 | Moved from 7.8 Revision of S1-231263. Revision of S1-231380. Revision of S1-231616. Revision of S1-231619. | Revised to S1-231705 |
| 48 | 4 | **S1-231705** | China Mobile Com. Corporation | WID\_UAV\_Ph3 | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231625 | Moved from 7.8 Revision of S1-231263. Revision of S1-231380. Revision of S1-231616. Revision of S1-231619. Revision of S1-231625. | Revised to S1-231763 |
| 49 | 4 | [**S1-231194**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231194.zip) | Qualcomm Tech. Netherlands B.V | New WID\_DualSteer | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-231357 |
| 50 | 4 | **S1-231357** | Qualcomm Tech. Netherlands B.V | New WID\_DualSteer | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231194 | Revision of S1-231194. | Revised to S1-231605 |
| 51 | 4 | **S1-231605** | Qualcomm | New WID\_DualSteer | WID new |  |  |  |  |  |  |  |  | Revision of S1-231194. Revision of S1-231357.  kept open | Revised to S1-231795 |
| 51r | 4 | **S1-231795** | Qualcomm | New WID\_DualSteer | WID new |  |  |  |  |  |  |  | Replaces S1-231605 |  | Noted |
| 52 | 4 | [**S1-231126**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231126.zip) | China Mobile | New WID on Energy Efficiency as service criteria | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-231545 |
| 53 | 4 | **S1-231545** | China Mobile | New WID on Energy Efficiency as service criteria | WID new |  |  |  |  |  |  |  |  | Revision of S1-231126.  Additional supporting companies to be added off-line.  Rewording (enhancements) of Objective. | Revised to S1-231556 |
| 54 | 4 | **S1-231556** | China Mobile | New WID on Energy Efficiency as service criteria | WID new |  |  |  |  |  |  |  | Replaces S1-231545 | Revision of S1-231126. Revision of S1-231545. | Revised to S1-231780 |
| 55 | 4 | **S1-231780** | China Mobile | New WID on Energy Efficiency as service criteria | WID new |  |  |  |  |  |  |  | Replaces S1-231556 | Revision of S1-231126. Revision of S1-231545. Revision of S1-231556.  Clean-up needed | Revised to S1-231810 |
| 55r | 4 | **S1-231810** | China Mobile | New WID on Energy Efficiency as service criteria | WID new |  |  |  |  |  |  |  | Replaces S1-231780 |  | Agreed. |
| 58 | 4 | [**S1-231043**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231043.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Mini-WID UE-to-UE Multi Hop Relay | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Mini-WID to update the current requirements to provide the ability to support UE-to-UE multi-hop relay which is a critical feature needed by public safety providers globally. |  | Revised to S1-231387 |
| 59 | 4 | **S1-231387** | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Mini-WID UE-to-UE Multi Hop Relay | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231043 | Revision of S1-231043. | Revised to S1-231718 |
| 60 | 4 | **S1-231718** | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Mini-WID UE-to-UE Multi Hop Relay | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231387 | Revision of S1-231043. Revision of S1-231387.  Nokia, BMWK to be added | Revised to S1-231755 |
| 61 | 4 | **S1-231755** | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Mini-WID UE-to-UE Multi Hop Relay | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231718 | Revision of S1-231043. Revision of S1-231387. Revision of S1-231718. Adding supporting companies. | Agreed |
| 62 | 4 | [**S1-231042**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231042.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Discussion on UE-to-UE multi hop relay | discussion |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Discuss the need for updating the current requirements to provide the ability to support UE-to-UE multi-hop relay which is a critical feature needed by public safety providers globally. | Reduce to 4 slides | Revised to S1-231346 |
| 63 | 4 | **S1-231346** | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | Discussion on UE-to-UE multi hop relay | discussion |  |  |  |  |  | **Rel-19** |  | Replaces S1-231042 | supporting paper for WID in 1043 | Noted |
| 64 | 4 | [**S1-231044**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231044.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | UE-to-UE Multi-Hop Relay 22.261 | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0681 |  | B | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**SMARTER**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=720005) | Update of current requirements to provide the ability to support UE-to-UE multi-hop relay which is a critical feature needed by public safety providers globally. | Wrong rev counter (to fix in new version) | Revised to S1-231386 |
| 65 | 4 | **S1-231386** | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | UE-to-UE Multi-Hop Relay 22.261 | CR | **22.261** | 0681 | 1 | B | 19.2.0 | **Rel-19** | **SMARTER** | Replaces S1-231044 | Wrong rev counter (to fix in new version) Revision of S1-231044. | Revised to S1-231687 |
| 66 | 4 | **S1-231687** | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | UE-to-UE Multi-Hop Relay 22.261 | CR | **22.261** | 0681 | 2 | B | 19.2.0 | **Rel-19** | **SMARTER** | Replaces S1-231386 | changes on changes, rev marks on cover.  Text on Cover page to be aligned with the changes  definition should not start by "is" | Revised to S1-231716 |
| 67 | 4 | **S1-231716** | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | UE-to-UE Multi-Hop Relay 22.261 | CR | **22.261** | 0681 | 3 | B | 19.2.0 | **Rel-19** | **SMARTER** | Replaces S1-231687 | Wrong rev counter (to fix in new version) Revision of S1-231044. Revision of S1-231386. Revision of S1-231687.  rev mark on cover | Revised to S1-231754 |
| 68 | 4 | **S1-231754** | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | UE-to-UE Multi-Hop Relay 22.261 | CR | **22.261** | 0681 | 4 | B | 19.2.0 | **Rel-19** | **SMARTER** | Replaces S1-231716 | Wrong rev counter (to fix in new version) Revision of S1-231044. Revision of S1-231386. Revision of S1-231687. Revision of S1-231716. No changes on the cover page. Update rev. and date. | Agreed |
| 69 | 4 | [**S1-231045**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231045.zip) | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | UE-to-UE Multi-Hop Relay 22.280 | CR | [**22.280**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0160 |  | B | 19.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**MCImp-MCCoRe**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=700028) | Enable multi-hop relay for both private call and group call. | Wrong rev counter (to fix in new version) | Revised to S1-231388 |
| 70 | 4 | **S1-231388** | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | UE-to-UE Multi-Hop Relay 22.280 | CR | **22.280** | 0160 | 1 | B | 19.1.0 | **Rel-19** | **MCImp-MCCoRe** | Replaces S1-231045 | Wrong rev counter (to fix in new version) Revision of S1-231045. | Revised to S1-231688 |
| 71 | 4 | **S1-231688** | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | UE-to-UE Multi-Hop Relay 22.280 | CR | **22.280** | 0160 | 2 | B | 19.1.0 | **Rel-19** | **MCImp-MCCoRe** | Replaces S1-231388 | Style for 6.9.2.2 can be corrected (even if not covered by the CR) | Revised to S1-231717 |
| 72 | 4 | **S1-231717** | FirstNet, SyncTechno Inc., Erillisverkot, Netherlands Police, Ministere De L’Interieur, AT&T, Norwegian Communications Authority, ASTRID, Telus, Apple, Qualcomm | UE-to-UE Multi-Hop Relay 22.280 | CR | **22.280** | 0160 | 3 | B | 19.1.0 | **Rel-19** | **MCImp-MCCoRe** | Replaces S1-231688 | Wrong rev counter (to fix in new version) Revision of S1-231045. Revision of S1-231388. Revision of S1-231688. | Agreed |
| 74 | 4 | [**S1-231172**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231172.zip) | China Telecom | New WID on Preventing Excessive Data Exposure within an NPN | WID new |  |  |  |  |  |  |  |  |  | Revised to S1-231389 |
| 75 | 4 | **S1-231389** | China Telecom | New WID on Preventing Excessive Data Exposure within an NPN | WID new |  |  |  |  |  |  |  | Replaces S1-231172 | Revision of S1-231172.  Acronym to be changed | Revised to S1-231781 |
| 76 | 4 | **S1-231781** | China Telecom | New WID on Preventing Excessive Data Exposure within an NPN | WID new |  |  |  |  |  |  |  | Replaces S1-231389 | Revision of S1-231172. Revision of S1-231389. Update objectives Update the stage 1 requirements to adddress aspects related to the security of the PLMN when it hosts an NPN. . Update the acronym to SecNPN. Leave section 8 empty. Accept all changes. | Agreed |
| 77 | 4 | [**S1-231174**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231174.zip) | China Telecom | Discussion on Preventing Excessive Data Exposure within an NPN | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 78 | 4 | [**S1-231176**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231176.zip) | China Telecom | 22.261v19.2.0 Preventing Excessive Data Exposure within an NPN | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0688 |  | 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) |  |  | Revised to S1-231390 |
| 79 | 4 | **S1-231390** | China Telecom | 22.261v19.2.0 Preventing Excessive Data Exposure within an NPN | CR | **22.261** | 0688 | 1 | B | 19.2.0 | **Rel-19** | **DUMMY** | Replaces S1-231176 | Revision of S1-231176. | Revised to S1-231629 |
| 80 | 4 | **S1-231629** | China Telecom | 22.261v19.2.0 Preventing Excessive Data Exposure within an NPN | CR | **22.261** | 0688 | 2 | B | 19.2.0 | **Rel-19** | **DUMMY** | Replaces S1-231390 | Nokia does not see the need for the added functionality from a Stage 1 perspective. It addresses security.  KPN think that this is useful, also in SA1. | Revised to S1-231782 |
| 81 | 4 | **S1-231782** | China Telecom | 22.261v19.2.0 Preventing Excessive Data Exposure within an NPN | CR | **22.261** | 0688 | 3 | B | 19.2.0 | **Rel-19** | **DUMMY** | Replaces S1-231629 | Revision of S1-231176. Revision of S1-231390. Revision of S1-231629. | Agreed |
| 83 | 4 | [**S1-231201**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231201.zip) | Qualcomm | New WID\_HRNS | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-231361 |
| 84 | 4 | **S1-231361** | Qualcomm | New WID\_HRNS | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231201 | Revision of S1-231201.  postponed by the author | Noted |
| 85 | 4 | [**S1-231200**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231200.zip) | Qualcomm | Human readable service name - Overview | other |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | Reduce to 4 slides | Revised to S1-231360 |
| 86 | 4 | **S1-231360** | Qualcomm | Human readable service name - Overview | other |  |  |  |  |  | **Rel-19** |  | Replaces S1-231200 | Reduce to 4 slides Revision of S1-231200. | Noted |
| 87 | 4 | [**S1-231202**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231202.zip) | Qualcomm | CR on HRNS requirement | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0690 |  | 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) |  | postponed by the author | Noted |
| 89 | 4 | [**S1-231218**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231218.zip) | China Telecom | New WID on Supporting of Edge Computing for Cloud Phone | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Revised to S1-231391 |
| 90 | 4 | **S1-231391** | China Telecom | New WID on Supporting of Edge Computing for Cloud Phone | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231218 | Revision of S1-231218. | Revised to S1-231557 |
| 91 | 4 | **S1-231557** | China Telecom | New WID on Supporting of Edge Computing for Cloud Phone | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231391 | Ericsson wonder what a "cloud phone" is, and a definition should be added. | Revised to S1-231757 |
| 92 | 4 | **S1-231757** | China Telecom | New WID on Supporting of Edge Computing for Cloud Phone | WID new |  |  |  |  |  | **Rel-19** |  | Replaces S1-231557 | Revision of S1-231218. Revision of S1-231391. Revision of S1-231557. | Noted |
| 93 | 4 | [**S1-231219**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231219.zip) | China Telecom | Discussion paper on Supporting of Edge Computing for Cloud Phone | discussion |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 94 | 4 | [**S1-231220**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231220.zip) | China Telecom, ZTE | 22.261v19.2.0 Supporting of edge computing for cloud phone | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0691 |  | 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) |  |  | Revised to S1-231392 |
| 95 | 4 | **S1-231392** | China Telecom, ZTE | 22.261v19.2.0 Supporting of edge computing for cloud phone | CR | **22.261** | 0691 | 1 | B | 19.2.0 | **Rel-19** | **DUMMY** | Replaces S1-231220 | Revision of S1-231220.  Qualcomm and Nokia still have concerns | Revised to S1-231558 |
| 96 | 4 | **S1-231558** | China Telecom, ZTE | 22.261v19.2.0 Supporting of edge computing for cloud phone | CR | **22.261** | 0691 | 2 | B | 19.2.0 | **Rel-19** | **DUMMY** | Replaces S1-231392 | Revision of S1-231220. Revision of S1-231392. | Revised to S1-231758 |
| 97 | 4 | **S1-231758** | China Telecom, ZTE | 22.261v19.2.0 Supporting of edge computing for cloud phone | CR | **22.261** | 0691 | 3 | B | 19.2.0 | **Rel-19** | **DUMMY** | Replaces S1-231558 | Revision of S1-231220. Revision of S1-231392. Revision of S1-231558. | Withdrawn |
| 99 | 4 | [**S1-231266**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231266.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | New WID on MPS for Dual Connectivity and Multiple Access Technologies | WID new |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | New WID on MPS for Dual Connectivity and Multiple Access Technologies |  | Noted |
| 100 | 4 | [**S1-231267**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231267.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Dual Connectivity and Multiple Access Technologies | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0062 |  | B | 19.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**DUMMY**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Addition of a new clause and requirements on dual connectivity and a new clause and requirements on multiple access technologies | Wrong WI code  No need for a new WID (TEI19, MBS\_WLAN can be used) | Revised to S1-231472 |
| 101 | 4 | **S1-231472** | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Dual Connectivity and Multiple Access Technologies | CR | **22.153** | 0062 | 1 | B | 19.0.0 | **Rel-19** | **DUMMY** | Replaces S1-231267 | Wrong WI code Revision of S1-231267. | Revised to S1-231756 |
| 102 | 4 | **S1-231756** | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | Dual Connectivity and Multiple Access Technologies | CR | **22.153** | 0062 | 2 | B | 19.0.0 | **Rel-19** | **DUMMY** | Replaces S1-231472 | Wrong WI code Revision of S1-231267. Revision of S1-231472. | Agreed |
| 02 | 5 | [**S1-231083**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231083.zip) | OPPO | Clarification on AI-ML KPIs 22.261v18.9.0 | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0686 |  | F | 18.9.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | Revise UL experience data rate KPI for image recognition, to 144 Mbit/s, | Qualcomm need to check if they can agree with this change.  Wrong WI code (TEI-18, TEI18) | Revised to S1-231394 |
| 03 | 5 | **S1-231394** | OPPO | Clarification on AI-ML KPIs 22.261v18.9.0 | CR | **22.261** | 0686 | 1 | F | 18.9.0 | **Rel-18** | **TEI18** | Replaces S1-231083 | F WI code TEI18 not needed. Revision of S1-231083. | Revised to S1-231474 |
| 04 | 5 | **S1-231474** | OPPO | Clarification on AI-ML KPIs 22.261v18.9.0 | CR | **22.261** | 0686 | 2 | F | 18.9.0 | **Rel-18** | **TEI18** | Replaces S1-231394 | F WI code TEI18 not needed. Revision of S1-231083. Revision of S1-231394. Update rev counter and date | Agreed |
| 05 | 5 | [**S1-231082**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231082.zip) | OPPO | Clarification on AI-ML KPIs 22.261v19.2.0 | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0685 |  | 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) | Revise UL experience data rate KPI for image recognition, to 144 Mbit/s, | This should be the mirror, change WICode to AIML-MT and cat to A | Revised to S1-231395 |
| 06 | 5 | **S1-231395** | OPPO | Clarification on AI-ML KPIs 22.261v19.2.0 | CR | **22.261** | 0685 | 1 | F | 19.2.0 | **Rel-19** | **TEI19** | Replaces S1-231082 | F This should be the mirror, change WICode to AIML-MT and cat to A  Date to be changed. | Revised to S1-231473 |
| 07 | 5 | **S1-231473** | OPPO | Clarification on AI-ML KPIs 22.261v19.2.0 | CR | **22.261** | 0685 | 2 | F | 19.2.0 | **Rel-19** | **TEI19** | Replaces S1-231395 | F This should be the mirror, change WICode to AIML-MT and cat to A Revision of S1-231082. Revision of S1-231395. Update rev counter, Cat A and date. | Agreed |
| 08 | 5 | **S1-231684** | Huawei, Nokia, Nokia Shanghai Bell, ZTE, China Unicom, CATT | 21.101v15.7.0 Aligning the RAN sharing related definitions for quality improvement | CR | **21.101** | 0589 |  | F | 15.7.0 | **Rel-15** | **TEI15** |  |  | Agreed |
| 09 | 5 | **S1-231685** | Huawei, Nokia, Nokia Shanghai Bell, ZTE, China Unicom, CATT | 21.101v16.3.0 Aligning the RAN sharing related definitions for quality improvement | CR | **21.101** | 0590 |  | A | 16.3.0 | **Rel-16** | **TEI15** |  |  | Agreed |
| 10 | 5 | **S1-231686** | Huawei, Nokia, Nokia Shanghai Bell, ZTE, China Unicom, CATT | 21.101v17.5.0 Aligning the RAN sharing related definitions for quality improvement | CR | **21.101** | 0591 |  | A | 17.5.0 | **Rel-17** | **TEI15** |  |  | Agreed |
| 11 | 5 | [**S1-231217**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231217.zip) | Huawei, Nokia, Nokia Shanghai Bell, ZTE, China Unicom | Aligning the RAN sharing related definitions for quality improvement | CR | [**22.101**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=605) | 0588 |  | F | 18.4.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | This CR removes the unused definition on "E-UTRAN Sharing"  It updates the following definitions to include NG-RAN:  - Hosting RAN Operator,  - Participating Operator,  - Shared RAN.  And adds the definition of Shared NG-RAN. |  | Revised to S1-231393 |
| 12 | 5 | **S1-231393** | Huawei, Nokia, Nokia Shanghai Bell, ZTE, China Unicom | Aligning the RAN sharing related definitions for quality improvement | CR | **22.101** | 0588 | 1 | A | 18.4.0 | **Rel-18** | **TEI18** | Replaces S1-231217 | Revision of S1-231217. | Agreed |
| 13 | 5 | [**S1-231265**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231265.zip) | Huawei Technologies Sweden AB | Change of abbreviation of DN from Destination Network to Data Network | draftCR | [**21.905**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=558) |  |  |  | 14.1.1 | [**Rel-14**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=189) | [**TEI14**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=680099) | This CR makes following corrections:   1) The abbreviation DN is updated from Destination Network to Data Network; and  2) A typo in the term “Supplementary” is corrected. | To be submitted as proper CR once it has the green light from SA1.  Siemens acknowledge and thank Huawei for their work. | Noted |
| 14 | 5 | [**S1-231279**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231279.zip) | Huawei | Change of abbreviation of DN from Destination Network to Data Network | draftCR | [**21.905**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=558) |  |  | A | 15.1.0 | [**Rel-15**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=190) | [**TEI14**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=680099) |  | Missing CR number | Noted |
| 15 | 5 | [**S1-231280**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231280.zip) | Huawei | Change of abbreviation of DN from Destination Network to Data Network | draftCR | [**21.905**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=558) |  |  | A | 16.0.0 | [**Rel-16**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=191) | [**TEI14**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=680099) |  | Missing CR number | Noted |
| 16 | 5 | [**S1-231281**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231281.zip) | Huawei | Change of abbreviation of DN from Destination Network to Data Network | draftCR | [**21.905**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=558) |  |  | A | 17.1.0 | [**Rel-17**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**TEI14**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=680099) |  | Missing CR number | Noted |
| 01 | 6.1 | [**S1-231020**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231020.zip) | ETRI | Corrections of scope and reference including editorial fixes | CR | [**22.268**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=639) | 0078 |  | F | 18.2.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | This CR proposes to modify the scope, reference and some editorial fixes to improve TS 22.268. | A comma is added | Revised to S1-231396 |
| 02 | 6.1 | **S1-231396** | ETRI | Corrections of scope and reference including editorial fixes | CR | **22.268** | 0078 | 1 | F | 18.2.0 | **Rel-18** | **TEI18** | Replaces S1-231020 | Revision of S1-231020. | Agreed |
| 03 | 6.1 | [**S1-231124**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231124.zip) | ETRI, KT Corp, SK Telecom, LG Uplus | UE based geo-fencing requirements for KPAS | CR | [**22.268**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=639) | 0079 |  | B | 18.2.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | This CR proposes to add requirements regarding UE based geo-fencing for KPAS. | Apple: similar text than for Eu-alert shall be used. This is to be checked off-line. | Revised to S1-231398 |
| 04 | 6.1 | **S1-231398** | ETRI, KT Corp, SK Telecom, LG Uplus | UE based geo-fencing requirements for KPAS | CR | **22.268** | 0079 | 1 | B | 18.2.0 | **Rel-18** | **TEI18** | Replaces S1-231124 | Revision of S1-231124.  UE-alert text copied and changed to KPAS-alert | Agreed |
| 05 | 6.1 | [**S1-231205**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231205.zip) | Qualcomm | Correction to MPS requirements | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0059 |  | F | 18.1.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**MPS\_WLAN**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=930024) |  |  | Agreed |
| 06 | 6.1 | [**S1-231206**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231206.zip) | Qualcomm | Correction to MPS requirements | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0060 |  | A | 19.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**MPS\_WLAN**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=930024) |  |  | Agreed |
| 07 | 6.1 | [**S1-231304**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231304.zip) | Union Internationale des Chemins de Fer | Notification of updated list of participants of Ad hoc Group Emergency Alert | CR | [**22.280**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0161 |  | C | 18.3.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**AHGC**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=930025) | Notification of updated list of participants of Ad hoc Group Emergency Alert | Wrong revision counter | Revised to S1-231327 |
| 08 | 6.1 | **S1-231327** | Union Internationale des Chemins de Fer | Notification of updated list of participants of Ad hoc Group Emergency Alert | CR | **22.280** | 0161 | 1 | C | 18.3.0 | **Rel-18** | **AHGC** | Replaces S1-231304 | Wrong revision counter Revision of S1-231304. | Revised to S1-231399 |
| 09 | 6.1 | **S1-231399** | Union Internationale des Chemins de Fer | Notification of updated list of participants of Ad hoc Group Emergency Alert | CR | **22.280** | 0161 | 2 | C | 18.3.0 | **Rel-18** | **AHGC** | Replaces S1-231327 | Wrong revision counter Revision of S1-231304. Revision of S1-231327.  A dot should not have been removed | Revised to S1-231475 |
| 10 | 6.1 | **S1-231475** | Union Internationale des Chemins de Fer | Notification of updated list of participants of Ad hoc Group Emergency Alert | CR | **22.280** | 0161 | 3 | C | 18.3.0 | **Rel-18** | **AHGC** | Replaces S1-231399 | Wrong revision counter Revision of S1-231304. Revision of S1-231327. Revision of S1-231399. Do not delete the . | Agreed |
| 11 | 6.1 | [**S1-231309**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231309.zip) | UIC, | Notification of updated list of participants of Ad hoc Group Emergency Alert | CR | [**22.280**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0163 |  | A | 19.1.0 | [**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) | Mirror CR: Notification of updated list of participants of Ad hoc Group Emergency Alert | Moved from 7.13 WI AHGC Rel-19 CR0162R- Cat A | Revised to S1-231328 |
| 12 | 6.1 | **S1-231328** | UIC, | Notification of updated list of participants of Ad hoc Group Emergency Alert | CR | **22.280** | 0163 | 1 | A | 19.1.0 | **Rel-19** | **FS\_FRMCS\_Ph5** | Replaces S1-231309 | Moved from 7.13 WI AHGC Rel-19 CR0162R- Cat A Revision of S1-231309. | Revised to S1-231640 |
| 13 | 6.1 | **S1-231640** | UIC, | Notification of updated list of participants of Ad hoc Group Emergency Alert | CR | **22.280** | 0163 | 2 | A | 19.1.0 | **Rel-19** | **FS\_FRMCS\_Ph5** | Replaces S1-231328 | Moved from 7.13 WI AHGC Rel-19 CR0162R- Cat A Revision of S1-231309. Revision of S1-231328.  Dot to be kept | Revised to S1-231719 |
| 14 | 6.1 | **S1-231719** | UIC, | Notification of updated list of participants of Ad hoc Group Emergency Alert | CR | **22.280** | 0163 | 3 | A | 19.1.0 | **Rel-19** | **FS\_FRMCS\_Ph5** | Replaces S1-231640 | Moved from 7.13 WI AHGC Rel-19 CR0162R- Cat A Revision of S1-231309. Revision of S1-231328. Do not delete the . Revision of S1-231640. No presentation | Agreed |
| 01 | 6.3 | [**S1-231270**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231270.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) | 0692 |  | F | 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 |  | Noted |
| 02 | 6.3 | [**S1-231272**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231272.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) | 0693 |  | A | 17.11.0 | [**Rel-17**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | [**TEI17**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850047) | Correction of subclause 6.3 requirement text as intended in approved CR256 | Wrong WI code, it must be TEI16 | Noted |
| 03 | 6.3 | [**S1-231282**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231282.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) | 0694 |  | A | 18.9.0 | [**Rel-18**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | Correction of subclause 6.3 requirement text as intended in approved CR256 | Wrong WI code, it must be TEI16 | Noted |
| 04 | 6.3 | [**S1-231283**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231283.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) | 0695 |  | A | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**TEI18**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | Correction of subclause 6.3 requirement text as intended in approved CR256 | Wrong WI code, it must be TEI16 | Noted |
| 03 | 7.1 | [**S1-231209**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231209.zip) | Deutsche Telekom AG, NTIA | Pseudo-CR on editorial modifications of FS\_Sensing | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This pCR proposes to agree editorial changes in the FS\_Sensing study. |  | Revised to S1-231421 |
| 04 | 7.1 | **S1-231421** | Deutsche Telekom, NTIA | Pseudo-CR on editorial modifications of FS\_Sensing |  |  |  |  |  |  |  |  |  | Revision of S1-231209. Fix caption of Figure 5.28.3-1 | Agreed |
| 05 | 7.1 | [**S1-231306**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231306.zip) | Ericsson Hungary Ltd | Adding note to not exclude solution | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | In some of the use cases specific entities e.g. UE and base station has been appointed specific functionality. This proposal is to add a note in the potential requirement chapter to ensure other solutions can be possible for down stream groups. |  | Agreed |
| 06 | 7.1 | [**S1-231316**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231316.zip) | Xiaomi Communications | Sensing overview proposal | discussion | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  |  | Merge into S1-231422 |
| 07 | 7.1 | [**S1-231313**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231313.zip) | Deutsche Telekom AG | Pseudo-CR on introducing overview section of FS\_Sensing | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This pCR introduces overview section of TS22.837 v.1.0.0 |  | Revised to S1-231422 |
| 08 | 7.1 | **S1-231422** | Deutsche Telekom | Pseudo-CR on introducing overview section of FS\_Sensing | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  |  |  |  |  | Revision of S1-231313. | Revised to S1-231477 |
| 09 | 7.1 | **S1-231477** | Deutsche Telekom | Pseudo-CR on introducing overview section of FS\_Sensing | pCR |  |  |  |  |  |  |  | Replaces S1-231422 | Qualcomm would like to revise the added text. | Revised to S1-231759 |
| 10 | 7.1 | **S1-231759** | Deutsche Telekom | Pseudo-CR on introducing overview section of FS\_Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231477 | Revision of S1-231313. Revision of S1-231422. Revision of S1-231477. | Agreed |
| 11 | 7.1 | [**S1-231242**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231242.zip) | Apple | Pseudo-CR on Sensing Signals Terminology Update | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**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 S1-231423 |
| 12 | 7.1 | **S1-231423** | Apple | Pseudo-CR on Sensing Signals Terminology Update | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231242 | Revision of S1-231242. | Revised to S1-231689 |
| 13 | 7.1 | **S1-231689** | Apple | Pseudo-CR on Sensing Signals Terminology Update | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231423 | Revision of S1-231242. Revision of S1-231423. | Revised to S1-231742 |
| 14 | 7.1 | **S1-231742** | Apple | Pseudo-CR on Sensing Signals Terminology Update | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231689 | Was agreed in previous version | Agreed |
| 15 | 7.1 | [**S1-231166**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231166.zip) | vivo, Qualcomm | Resolve ambiguity on sensing assistance information | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | There is ambiguity on sensing assistance information. It is proposed to eliminate the ambiguity. |  | Revised to S1-231424 |
| 16 | 7.1 | **S1-231424** | vivo, Qualcomm | Resolve ambiguity on sensing assistance information | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231166. | Revised to S1-231453 |
| 17 | 7.1 | **S1-231453** | vivo, Qualcomm | Resolve ambiguity on sensing assistance information | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | Revision of S1-231166. Revision of S1-231424. | "by a UE or a trusted 3rd party" to be removed | Revised to S1-231478 |
| 18 | 7.1 | **S1-231478** | vivo, Qualcomm | Resolve ambiguity on sensing assistance information | pCR | **22.837** |  |  |  |  |  |  | Replaces S1-231453 | Revision of S1-231166. Revision of S1-231424. Revision of S1-231453. sensing assistance information: information that is provided to 5G system and can be used to derive sensing result. | Agreed |
| 19 | 7.1 | [**S1-231167**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231167.zip) | vivo | To enable UE using sensing result | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | UE processing is possible for positioning service, it is proposed to include this feature for sensing also |  | Revised to S1-231425 |
| 20 | 7.1 | **S1-231425** | vivo | To enable UE using sensing result | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231167. | Revised to S1-231454 |
| 21 | 7.1 | **S1-231454** | vivo | To enable UE using sensing result | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | Revision of S1-231167. Revision of S1-231425. | Revision of S1-231167. Revision of S1-231425. | Revised to S1-231480 |
| 22 | 7.1 | **S1-231480** | vivo | To enable UE using sensing result | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231454 | the third req is unclear to Telefonica and T Mobile. OK to delete.  "Network" no capital  Still some unclarity on "5G network" | Noted |
| 23 | 7.1 | [**S1-231149**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231149.zip) | Xiaomi | Discussion on sensing concepts and relationship between sensing system and 3GPP communication system | discussion | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  |  |  |  | Discussion on sensing concepts to allow generized term and specialized description as well as creating new TS |  | Noted |
| 24 | 7.1 | [**S1-231294**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231294.zip) | Deutsche Telekom AG, Nokia, Ericsson | pCR on modifications for consistent use of terminology in FS\_Sensing | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This pCR proposes to agree changes for using common terminology in the FS\_Sensing study. |  | Revised to S1-231426 |
| 25 | 7.1 | **S1-231426** | Deutsche Telekom AG, Nokia, Ericsson | pCR on modifications for consistent use of terminology in FS\_Sensing | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231294.  Several companies still have objections on this version. Sent off-line | Revised to S1-231481 |
| 26 | 7.1 | **S1-231481** | Deutsche Telekom AG, Nokia, Ericsson | pCR on modifications for consistent use of terminology in FS\_Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231426 | Indentation is to be fixed, not intentional. | Agreed |
| 27 | 7.1 | [**S1-231165**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231165.zip) | vivo | Resolve EN on motion rate accuracy | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | To delete EN |  | Revised to S1-231427 |
| 28 | 7.1 | **S1-231427** | vivo | Resolve EN on motion rate accuracy | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231165. | Revised to S1-231455 |
| 29 | 7.1 | **S1-231455** | vivo | Resolve EN on motion rate accuracy | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | Revision of S1-231165. Revision of S1-231427. | Wrong header | Revised to S1-231482 |
| 30 | 7.1 | **S1-231482** | vivo | Resolve EN on motion rate accuracy | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231455 | Lenovo's concern | Agreed |
| 31 | 7.1 | [**S1-231303**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231303.zip) | Xiaomi Communications | pCR on definition of refreshing rate | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**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 S1-231428 |
| 32 | 7.1 | **S1-231428** | Xiaomi | pCR on definition of refreshing rate | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231303. Refreshing rate: rate at which the sensing result is generated by the sensing system. It is the inverse of the time elapsed between two successive sensing results. | Agreed |
| 33 | 7.1 | [**S1-231325**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231325.zip) | Lenovo | pCR to clarify potential mobility of a sensing RAN node | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**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 S1-231429 |
| 34 | 7.1 | **S1-231429** | Lenovo | pCR to clarify potential mobility of a sensing RAN node | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231325. | Noted |
| 35 | 7.1 | [**S1-231326**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231326.zip) | Lenovo | pCR to clarify non-3GPP sensing data provided by a network node | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  |  | Noted |
| 37 | 7.1 | [**S1-231114**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231114.zip) | CMCC | pCR on updating service requirements for clause 5.1 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | During sensing the intruder, the UE could cooperate with 5GC to adjust sensing accuracy or sensing frequency accordingly to reduce UE’s energy consumption significantly |  | Merged into S1-231676 |
| 38 | 7.1 | [**S1-231191**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231191.zip) | Huawei | Update of clause 5.2 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**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 S1-231430 |
| 39 | 7.1 | **S1-231430** | Huawei | Update of clause 5.2 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231191. | Revised to S1-231447 |
| 40 | 7.1 | **S1-231447** | Huawei | Update of clause 5.2 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231191. Revision of S1-231430. | Noted |
| 41 | 7.1 | [**S1-231324**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231324.zip) | Lenovo | pCR to add a PR on sensing service availability information | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**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 S1-231431 |
| 42 | 7.1 | **S1-231431** | Lenovo | pCR to add a PR on sensing service availability information | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231324. | Revised to S1-231448 |
| 43 | 7.1 | **S1-231448** | Lenovo | pCR to add a PR on sensing service availability information | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231324. Revision of S1-231431.  To be replaced by "The 5G network".... and "for the operator" to be added. | Revised to S1-231483 |
| 44 | 7.1 | **S1-231483** | Lenovo | pCR to add a PR on sensing service availability information | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231448 | Revision of S1-231324. Revision of S1-231431. Revision of S1-231448. [PR 5.2.6-8] Subject to operator s policy, the 5G network may provide secure means for the operator to expose information on sensing service availability (e.g., if sensing service is available and the supported KPIs) in a desired sensing service area location to a trusted 3rd party. | Agreed |
| 45 | 7.1 | [**S1-231115**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231115.zip) | CMCC | pCR on update service requirements for clause 5.13 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This document proposes a new energy-efficient sensing PR for base stations. | S1-231114, S1-231115 and S1-231136 merged in S1-231676. | Merged into S1-231676 |
| 46 | 7.1 | [**S1-231135**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231135.zip) | Qualcomm CDMA Technologies | Update to Use Case on AGVs Detection and Tracking in Factories | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | S1-231114, S1-231115 and S1-231136 merged in S1-231676. | Agreed |
| 47 | 7.1 | [**S1-231136**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231136.zip) | Qualcomm CDMA Technologies | Update to Use Case on Use case on UAV flight trajectory tracing | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | S1-231114, S1-231115 and S1-231136 merged in S1-231676. | Revised to S1-231676 |
| 48 | 7.1 | **S1-231676** | Qualcomm CDMA Technologies | Update to Use Case on Use case on UAV flight trajectory tracing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | S1-231114, S1-231115 and S1-231136 merged in S1-231676. | Revision of S1-231136. | Revised to S1-231681 |
| 49 | 7.1 | **S1-231681** | Qualcomm CDMA Technologies | Update to Use Case on Use case on UAV flight trajectory tracing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231676 | Revision of S1-231136. Revision of S1-231676. | Agreed |
| 50 | 7.1 | [**S1-231229**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231229.zip) | KPN N.V. | Pseudo-CR on update of use case 5.10 in TR 22.837 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | Small updates to Use Case 5.10 on UAV flight trajectory tracing about importance of service continuity and sensing handover, including corresponding requirements. |  | Revised to S1-231348 |
| 51 | 7.1 | **S1-231348** | KPN N.V. | Pseudo-CR on update of use case 5.10 in TR 22.837 | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231229 | Revision of S1-231229. | Revised to S1-231432 |
| 52 | 7.1 | **S1-231432** | KPN | Pseudo-CR on update of use case 5.10 in TR 22.837 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231229. Revision of S1-231348. [PR 5.10.6-x1] The 5G system shall be able to provide the means for supporting sensing service continuity | Agreed |
| 53 | 7.1 | [**S1-231307**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231307.zip) | Ericsson Hungary Ltd | Adjusting sensing KPI's | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | In some use cases vital KPI's are missing |  | Agreed |
| 54 | 7.1 | [**S1-231237**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231237.zip) | ZTE | pCR for KPI table update - 5.12 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This document proposes to update the KPI table and remove the EN for clause 5.12 of TR22.837 | No presentation | Agreed |
| 55 | 7.1 | [**S1-231234**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231234.zip) | ZTE | pCR for KPI table update - 5.23 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This document proposes to update the KPI table for clause 5.23 of TR22.837 |  | Revised to S1-231375 |
| 56 | 7.1 | **S1-231375** | ZTE | pCR for KPI table update - 5.23 | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231234 | Revision of S1-231234. | Agreed |
| 57 | 7.1 | [**S1-231116**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231116.zip) | CMCC | pCR on updating KPI for clause 5.14 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | updating more reasonable sensing resolution, sensing service latency, and refreshing rate in use case 5.14 |  | Revised to S1-231433 |
| 58 | 7.1 | **S1-231433** | CMCC | pCR on updating KPI for clause 5.14 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231116. | Revised to S1-231449 |
| 59 | 7.1 | **S1-231449** | CMCC | pCR on updating KPI for clause 5.14 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231116. Revision of S1-231433. | Agreed |
| 60 | 7.1 | [**S1-231274**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231274.zip) | Huawei | Pseudo-CR on removing the Editor’s Note in the Use case of Sensing for Parking Space Determination | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This paper proposes to remove the Editor’s Note in 5.20. | No presentation | Agreed |
| 61 | 7.1 | [**S1-231146**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231146.zip) | Qualcomm CDMA Technologies | Update to Use Case of Seamless XR Streaming | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**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 S1-231434 |
| 62 | 7.1 | **S1-231434** | Qualcomm | Update to Use Case of Seamless XR Streaming | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231146.  "from trusted third party" is deleted to make it more general. But it might become too vague. | Revised to S1-231760 |
| 63 | 7.1 | **S1-231760** | Qualcomm | Update to Use Case of Seamless XR Streaming | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231434 | Revision of S1-231146. Revision of S1-231434. | Noted |
| 64 | 7.1 | [**S1-231123**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231123.zip) | Futurewei, Qualcomm | Use Case # 24 update on sensing service authorization | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This paper proposes update on use case #24 “Use case on roaming for sensing service of sports monitoring” to add sensing service authorization and revocation. |  | Revised to S1-231435 |
| 65 | 7.1 | **S1-231435** | Futurewei, Qualcomm | Use Case # 24 update on sensing service authorization | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231123. | Revised to S1-231450 |
| 65rr | 7.1 | **S1-231786** | Huawei | Pseudo-CR on resolving the Editor’s Note in the Use case for out-of-coverage 5G Wireless sensing for automotive maneuvering and navigation service | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231484 |  | Revised to S1-231793 |
| 65rrr | 7.1 | **S1-231793** | Huawei | Pseudo-CR on resolving the Editor’s Note in the Use case for out-of-coverage 5G Wireless sensing for automotive maneuvering and navigation service | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231786 | Denso back as co-signer | Agreed |
| 66 | 7.1 | **S1-231450** | Futurewei, Qualcomm | Use Case # 24 update on sensing service authorization | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231123. Revision of S1-231435. | Agreed |
| 67 | 7.1 | [**S1-231145**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231145.zip) | CATT | pCR on updates to Gestrue Recognization | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  |  | Merged into S1-231436 |
| 68 | 7.1 | [**S1-231147**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231147.zip) | Qualcomm CDMA Technologies | Update to Use Case on Gesture Recognition for Application Navigation and Immersive Interaction | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**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 S1-231436 |
| 69 | 7.1 | **S1-231436** | Qualcomm | Update to Use Case on Gesture Recognition for Application Navigation and Immersive Interaction | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231147. | Revised to S1-231451 |
| 70 | 7.1 | **S1-231451** | Qualcomm | Update to Use Case on Gesture Recognition for Application Navigation and Immersive Interaction | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231147. Revision of S1-23136.  Postponed by the author | Noted |
| 71 | 7.1 | [**S1-231225**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231225+.zip) | DENSO CORPORATION | Update KPI of Use case 5.28 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This document proposes to update KPI of use case 5.28. |  | Revised to S1-231437 |
| 72 | 7.1 | **S1-231437** | DENSO | Update KPI of Use case 5.28 | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231225. | Agreed |
| 73 | 7.1 | [**S1-231226**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231226.zip) | DENSO CORPORATION | Update of Use case 5.30 to Resolve EN | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This document proposes to solve EN and complete use case 5.30. | S1-231226 merged with S1-231273 in S1-231362 | Merged into S1-231362 |
| 74 | 7.1 | [**S1-231273**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231273.zip) | Huawei | Pseudo-CR on resolving the Editor’s Note in the Use case for out-of-coverage 5G Wireless sensing for automotive maneuvering and navigation service | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This paper proposes to remove the Editor’s Note in 5.30. | S1-231226 merged with S1-231273 in S1-231362 | Revised to S1-231362 |
| 75 | 7.1 | **S1-231362** | Huawei | Pseudo-CR on resolving the Editor’s Note in the Use case for out-of-coverage 5G Wireless sensing for automotive maneuvering and navigation service | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231273 | Conclusion from SA1:  CPR PR 5.30.6-1 will be turned from red to yellow in the consolidated pCR. S1-231148 is noted, 1362 will agree to remove the editor's note | Revised to S1-231484 |
| 76 | 7.1 | **S1-231484** | Huawei | Pseudo-CR on resolving the Editor’s Note in the Use case for out-of-coverage 5G Wireless sensing for automotive maneuvering and navigation service | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231362 | The 3rd req should be kept  Denso to be removed as supporting company | Revised to S1-231786 |
| 77 | 7.1 | [**S1-231308**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231308.zip) | Ericsson Hungary Ltd | Sensing out of coverage | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | Adjustment to use case 5.30 "sensing for automotive maneuvering and navigation service when not served by RAN |  | Noted |
| 78 | 7.1 | [**S1-231148**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231148.zip) | Qualcomm CDMA Technologies | Pseudo-CR on consolidation of requirements on UE-based sensing when not served by RAN | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**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 S1-231363 |
| 79 | 7.1 | **S1-231363** | Qualcomm CDMA Technologies | Pseudo-CR on consolidation of requirements on UE-based sensing when not served by RAN | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231148 | Revision of S1-231148. | Noted |
| 79rrrr | 7.1 | **S1-231791** | Deutsche Telekom AG, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231747 | Qualcomm: concern about "system" being replaced by "5G Network"  Telefonica: in 5.22.6.2, add an editors note in "general" about CPR for FFS sensing assistance information does not include assistance. In the end, the two on assistance info and the 1st one have to be removed. | Revised to S1-231811 |
| 79rrrrr | 7.1 | **S1-231811** | Deutsche Telekom AG, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231791 |  | Agreed |
| 80 | 7.1 | [**S1-231323**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231323.zip) | Philips International B.V. | Adding privacy requirement on minimizing exposure of personally identifiable information | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**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 S1-231438 |
| 81 | 7.1 | **S1-231438** | Philips | Adding privacy requirement on minimizing exposure of personally identifiable information | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231323. | Revised to S1-231452 |
| 82 | 7.1 | **S1-231452** | Philips | Adding privacy requirement on minimizing exposure of personally identifiable information | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | Revision of S1-231323. Revision of S1-231438. | "shall be able" would be a better wording | Noted |
| 83 | 7.1 | [**S1-231161**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231161.zip) | IPLOOK | Use case: Fire Alarm Notification and Emergency Contact | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This contribution proposes a new use case for FS\_Sensing which is about providing fire alarm notification assistance based on the 5GS sensing service. |  | Noted |
| 84 | 7.1 | [**S1-231322**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231322.zip) | Apple | Sensing and Security / Privacy Aspects | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 86 | 7.1 | [**S1-231193**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231193.zip) | Huawei | Discussion on FS\_Sensing Potential Requirements Consolidation | discussion | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 87 | 7.1 | [**S1-231317**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231317.zip) | Deutsche Telekom AG, ZTE | Discussion on consolidated requirements of FS\_Sensing | discussion | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | This document proposes consolidation on the potential requirements from the use cases of FS\_Sensing |  | Revised to S1-231367 |
| 88 | 7.1 | **S1-231367** | Deutsche Telekom AG, ZTE | Discussion on consolidated requirements of FS\_Sensing | discussion | **22.837** |  |  |  |  | **Rel-19** |  | Replaces S1-231317 | Revision of S1-231317. | Revised to S1-231445 |
| 89 | 7.1 | **S1-231445** | Deutsche Telekom, ZTE | Discussion on consolidated requirements of FS\_Sensing | discussion | **22.837** |  |  |  |  | **Rel-19** |  |  | Revision of S1-231317. Revision of S1-231367. | Revised to S1-231479 |
| 90 | 7.1 | **S1-231479** | Deutsche Telekom, ZTE | Discussion on consolidated requirements of FS\_Sensing |  |  |  |  |  |  |  |  | Replaces S1-231445 | Revision of S1-231317. Revision of S1-231367. Revision of S1-231445. | Revised to S1-231496 |
| 91 | 7.1 | **S1-231496** | Deutsche Telekom, ZTE | Discussion on consolidated requirements of FS\_Sensing |  |  |  |  |  |  |  |  | Replaces S1-231479 | Revision of S1-231317. Revision of S1-231367. Revision of S1-231445. Revision of S1-231479. | Revised to S1-231746 |
| 92 | 7.1 | **S1-231746** | Deutsche Telekom, ZTE | Discussion on consolidated requirements of FS\_Sensing |  |  |  |  |  |  |  |  | Replaces S1-231496 | This is the result of the drafting session for consolidation req in Sensing. It might be use as a reference for future discussions. | Noted |
| 93 | 7.1 | [**S1-231318**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231318.zip) | Deutsche Telekom AG, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | Based on DP S1-231317, this pCR proposes to agree consolidated requirements section of the FS\_Sensing study. |  | Revised to S1-231368 |
| 94 | 7.1 | **S1-231368** | Deutsche Telekom AG, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231318 | Revision of S1-231318. | Revised to S1-231490 |
| 95 | 7.1 | **S1-231490** | Deutsche Telekom AG, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231368 | The ones with the editor's note (CPR 7.1.2-6) and with yellow (CPR 7.1.5-1) to be moved to the "unstable CPR". Also CPR 7.1.2-2 to be removed. And CPR 7.1.2-3  All section numbers to be removed, tables to be numbered A, B, C, etc  Title of 7.1 to be changed to "Consolidated functional requirements" | Revised to S1-231495 |
| 96 | 7.1 | **S1-231495** | Deutsche Telekom AG, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231490 | Revision of S1-231318. Revision of S1-231368. Revision of S1-231490. Fix tiles sections 7 Consolidated potential requirement 7.1Consolidated functional requirements Fix format. Delete CPR 7.1.5-1, CPR 7.1.2-6, CPR 7.1.2-2, CPR 7.1.2-3 and CPR 7.1.3-5 Change table renumbering to A,B,C | Revised to S1-231747 |
| 97 | 7.1 | **S1-231747** | Deutsche Telekom AG, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231495 | Revision of S1-231318. Revision of S1-231368. Revision of S1-231490. Fix tiles sections 7 Consolidated potential requirement 7.1Consolidated functional requirements Fix format. Delete CPR 7.1.5-1, CPR 7.1.2-6, CPR 7.1.2-2, CPR 7.1.2-3 and CPR 7.1.3-5 Change table renumbering to A,B,C Revision of S1-231495.f | Revised to S1-231791 |
| 98 | 7.1 | **S1-231491** | Deutsche Telekom AG, ZTE | Pseudo-CR on Consolidated requirements of FS\_Sensing - Part 2 |  |  |  |  |  |  |  |  |  | Revision of S1-231318. Revision of S1-231368. | Withdrawn |
| 99 | 7.1 | [**S1-231195**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231195.zip) | Huawei | Discussion on KPI consolidation | discussion | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  |  |  |  |  |  | Noted |
| 100 | 7.1 | [**S1-231153**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231153.zip) | ZTE | Consolidation of KPI Requirement of Sensing | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This contribution proposes the consolidation of KPI requirements of sensing according to the TR22.837 v1.0.0 |  | Revised to S1-231349 |
| 101 | 7.1 | **S1-231349** | ZTE | Consolidation of KPI Requirement of Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231153 | Revision of S1-231153. | Merge into S1-231419 |
| 102 | 7.1 | [**S1-231169**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231169.zip) | vivo | Discussion on KPI consolidation and CPR grouping | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | To discuss the options available for categorizing scenarios in KPI table |  | Noted |
| 103 | 7.1 | [**S1-231075**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231075.zip) | Deutsche Telekom AG, Nokia, Ericsson | Discussion on consolidated KPIs of FS\_Sensing | discussion | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | This document proposes consolidation on the KPIs from the use cases of FS\_Sensing |  | Revised to S1-231418 |
| 104 | 7.1 | **S1-231418** | Deutsche Telekom, Nokia, Ericsson | Discussion on consolidated KPIs of FS\_Sensing | discussion | **22.837** |  |  |  |  | **Rel-19** |  |  | Revision of S1-231075. | Noted |
| 105 | 7.1 | [**S1-231168**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231168.zip) | vivo | Consolidated KPI table proposal | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | To show the KPI with grouping them based on applied scenario |  | Noted |
| 106 | 7.1 | [**S1-231077**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231077.zip) | Deutsche Telekom AG, Nokia, Ericsson | Pseudo-CR on Consolidated KPIs of FS\_Sensing | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | Based on DP S1-231075, this pCR proposes to agree consolidated KPIs section of the FS\_Sensing study. |  | Revised to S1-231419 |
| 107 | 7.1 | **S1-231419** | Deutsche Telekom, Nokia, Ericsson | Pseudo-CR on Consolidated KPIs of FS\_Sensing | pCR | [**22.837**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Sensing**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | Revision of S1-231077. | Revised to S1-231492 |
| 108 | 7.1 | **S1-231492** | Deutsche Telekom, Nokia, Ericsson | Pseudo-CR on Consolidated KPIs of FS\_Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231419 | Huawei to be added as co-signer, Qualcomm ask for more time to review | Revised to S1-23f1761 |
| 109 | 7.1 | **S1-231761** | Deutsche Telekom, Nokia, Ericsson | Pseudo-CR on Consolidated KPIs of FS\_Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231492 | Revision of S1-231077. Revision of S1-231419. Revision of S1-231492. | Revised to S1-231794 |
| 109r | 7.1 | **S1-231794** | Deutsche Telekom, Nokia, Ericsson | Pseudo-CR on Consolidated KPIs of FS\_Sensing | pCR | **22.837** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Sensing** | Replaces S1-231761 |  | Agreed |
| 01 | 7.1.1 | **S1-231330** | Rapporteur (Deutsche Telekom) | Cover sheet of the TR22.837 for approval | TS or TR cover | **22.837** |  |  |  |  |  |  |  | "outstanding issues" to be cleaned-up. | Revised to S1-231815 |
| 01r | 7.1.1 | **S1-231815** | Rapporteur (Deutsche Telekom) | Cover sheet of the TR22.837 for approval | TS or TR cover | **22.837** |  |  |  |  |  |  | Replaces S1-231330 |  | Revised to S1-231816 |
| 01rr | 7.1.1 | **S1-231816** | Rapporteur (Deutsche Telekom) | Cover sheet of the TR22.837 for approval | TS or TR cover | **22.837** |  |  |  |  |  |  | Replaces S1-231815 |  | Agreed. |
| 02 | 7.1.1 | **S1-231331** | Rapporteur (Deutsche Telekom) | TR 22.837v1.1.0 Study on Integrated Sensing and Communication |  |  |  |  |  |  |  |  |  | Rapporteur to send the draft by Tuesday 20May, 23 UTC, comments until Thursday 1st, final version by Friday 2nd. | Agreed |
| 03 | 7.2 | [**S1-231154**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231154.zip) | ZTE | pCR for adding the position KPI for 5.2 and 5.11 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | This document proposes to add position accuracy KPI for clause 5.2 and clause 5.11 in TR 22.840 v.1.1.0 |  | Revised to S1-231400 |
| 04 | 7.2 | **S1-231400** | ZTE | pCR for adding the position KPI for 5.2 and 5.11 |  |  |  |  |  |  |  |  |  | Revision of S1-231154. Positioning is now 3 m to 5 m indoor Format corrections unit. | Agreed |
| 05 | 7.2 | [**S1-231293**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231293.zip) | Huawei Technologies France | FS\_Ambient IoT terminology alignment Device Speed | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  |  | Agreed |
| 06 | 7.2 | [**S1-231297**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231297.zip) | Huawei Technologies France | FS\_Ambient IoT update latency KPI value of clause 5.2 medical instruments inventory management | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | merge S1-231297 and S1-231299 into S1-231401 | Revised to S1-231401 |
| 07 | 7.2 | **S1-231401** | Huawei | FS\_Ambient IoT update latency KPI value of clause 5.2 medical instruments inventory management | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** |  | Revision of S1-231297. | Agreed |
| 07r | 7.2 | **S1-231683** | Huawei Technologies France | FS\_Ambient IoT update latency KPI value of clause 5.5 intralogistics in automobile manufacturing | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231298 | was merged | Noted |
| 08 | 7.2 | [**S1-231292**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231292.zip) | Huawei Technologies France | FS\_Ambient IoT remove FFS in clause 5.5 Intralogistics automobile manufacturing | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  |  | Agreed |
| 09 | 7.2 | [**S1-231298**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231298.zip) | Huawei Technologies France | FS\_Ambient IoT update latency KPI value of clause 5.5 intralogistics in automobile manufacturing | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  |  | Merge into S1-231401 |
| 10 | 7.2 | [**S1-231290**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231290.zip) | Huawei Technologies France | FS\_Ambient IoT alignment-add Device Speed KPIs with use case descriptions | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**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 S1-231403 |
| 11 | 7.2 | **S1-231403** | Huawei | FS\_Ambient IoT alignment-add Device Speed KPIs with use case descriptions | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** |  | Revision of S1-231290. | Agreed |
| 12 | 7.2 | [**S1-231253**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231253.zip) | OPPO | pCR on removal of comparison operators in the KPI table | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | pCR on removal of comparison operators in the KPI table |  | Revised to S1-231404 |
| 13 | 7.2 | **S1-231404** | OPPO | pCR on removal of comparison operators in the KPI table | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** |  | Revision of S1-231253. | Revised to S1-231458 |
| 14 | 7.2 | **S1-231458** | OPPO | pCR on removal of comparison operators in the KPI table | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** |  | Revision of S1-231253. Revision of S1-231404. | Noted |
| 15 | 7.2 | [**S1-231249**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231249.zip) | Xiaomi | Additional security requirement in the use case 5 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | It is proposed to add the security requirement in the use case 5. |  | Noted |
| 16 | 7.2 | [**S1-231150**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231150.zip) | Qualcomm CDMA Technologies | Update to Use Case on Ambient IoT for airport terminal / shipping port | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**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 S1-231364 |
| 17 | 7.2 | **S1-231364** | Qualcomm CDMA Technologies | Update to Use Case on Ambient IoT for airport terminal / shipping port | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231150 | Revision of S1-231150. | Revised to S1-231405 |
| 18 | 7.2 | **S1-231405** | Qualcomm | Update to Use Case on Ambient IoT for airport terminal / shipping port | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** |  | Revision of S1-231150. Revision of S1-231364. | Agreed |
| 19 | 7.2 | [**S1-231151**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231151.zip) | Qualcomm CDMA Technologies | Update to Use Case on Finding Lost Item | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**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 S1-231365 |
| 20 | 7.2 | **S1-231365** | Qualcomm CDMA Technologies | Update to Use Case on Finding Lost Item | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231151 | Revision of S1-231151. | Revised to S1-231406 |
| 21 | 7.2 | **S1-231406** | Qualcomm | Update to Use Case on Finding Lost Item |  |  |  |  |  |  |  |  | Revision of S1-231151. Revision of S1-231365. | For t-mobile and Ericsson, the intention with the 1st req is unclear. And they disagree with the last one. | Revised to S1-231485 |
| 22 | 7.2 | **S1-231485** | Qualcomm | Update to Use Case on Finding Lost Item |  |  |  |  |  |  |  |  | Replaces S1-231406 | Author asked to revise | Revised to S1-231785 |
| 23 | 7.2 | **S1-231785** | Qualcomm | Update to Use Case on Finding Lost Item | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231485 | Revision of S1-231151. Revision of S1-231365. Revision of S1-231406. Revision of S1-231485.  KPI table to be changed | Revised to S1-231812 |
| 23r | 7.2 | **S1-231812** | Qualcomm | Update to Use Case on Finding Lost Item | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231785 | only changes on KPI table remain | Agreed |
| 24 | 7.2 | [**S1-231295**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231295.zip) | Huawei Technologies France | FS\_Ambient IoT update KPI Device Density to clause 5.8 Finding Remote Lost Item | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**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 S1-231682 |
| 25 | 7.2 | **S1-231682** | Huawei Technologies France | FS\_Ambient IoT update KPI Device Density to clause 5.8 Finding Remote Lost Item | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231295 | Revision of S1-231295. | Agreed |
| 26 | 7.2 | [**S1-231244**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231244.zip) | Xiaomi | Removing the FFS of LCS KPI values in the use case 9 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | It is proposed to remove the FFS of LCS KPI values in the use case 9. |  | Revised to S1-231407 |
| 27 | 7.2 | **S1-231407** | Xiaomi | Removing the FFS of LCS KPI values in the use case 9 |  |  |  |  |  |  |  |  |  | Revision of S1-231244. | Agreed |
| 28 | 7.2 | [**S1-231238**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231238.zip) | Xiaomi | Changing Ranging to relative positioning in the use case 10 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | It is proposed to change Ranging to relative positioning in the use case 10. |  | Revised to S1-231408 |
| 29 | 7.2 | **S1-231408** | Xiaomi | Changing Ranging to relative positioning in the use case 10 |  |  |  |  |  |  |  |  |  | Revision of S1-231238. | Revised to S1-231459 |
| 30 | 7.2 | **S1-231459** | Xiaomi | Changing Ranging to relative positioning in the use case 10 |  |  |  |  |  |  |  |  |  | Revision of S1-231238. Revision of S1-231408. | Agreed |
| 31 | 7.2 | [**S1-231284**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231284.zip) | ZTE | pCR to add the position KPI for 5.11 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | This document proposes to add position accuracy KPI for clause 5.11 in TR 22.840 v.1.1.0. |  | Revised to S1-231409 |
| 32 | 7.2 | **S1-231409** | ZTE | pCR to add the position KPI for 5.11 |  |  |  |  |  |  |  |  |  | Revision of S1-231284. Same changes as in S1-231400 | Agreed |
| 33 | 7.2 | [**S1-231299**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231299.zip) | Huawei Technologies France | FS\_Ambient IoT update latency KPI value of clause 5.11 medical instruments status modification | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | merge S1-231297 and S1-231299 into S1-231401 | Merge into S1-231401 |
| 34 | 7.2 | [**S1-231271**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231271.zip) | OPPO | pCR on reference to EPC Tag Data Standard | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | This contribute proposes to update reference to EPC Tag Data Standard with the latest TDS v2.0 |  | Revised to S1-231402 |
| 35 | 7.2 | **S1-231402** | OPPO | pCR on reference to EPC Tag Data Standard |  |  |  |  |  |  |  |  |  | Revision of S1-231271. Delete notes of first KPI table (Use case 5.12) | Agreed |
| 36 | 7.2 | [**S1-231078**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231078.zip) | vivo | update for use case 12 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**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 S1-231410 |
| 37 | 7.2 | **S1-231410** | vivo | update for use case 12 |  |  |  |  |  |  |  |  |  | Revision of S1-231078. | Agreed |
| 38 | 7.2 | [**S1-231245**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231245.zip) | Xiaomi | Resolving the FFS about efficiency in the use case 15 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | It is proposed to resolve the FFS about efficiency in the use case 15. |  | Revised to S1-231460 |
| 39 | 7.2 | **S1-231460** | Xiaomi | Resolving the FFS about efficiency in the use case 15 |  |  |  |  |  |  |  |  |  | Revision of S1-231245. | Agreed |
| 40 | 7.2 | [**S1-231291**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231291.zip) | Huawei Technologies France | FS\_Ambient IoT remove EN by adding KPIs to clause 5.16 Automated Supply Chain Distribution | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**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 S1-231411 |
| 41 | 7.2 | **S1-231411** | Huawei | FS\_Ambient IoT remove EN by adding KPIs to clause 5.16 Automated Supply Chain Distribution |  |  |  |  |  |  |  |  |  | Revision of S1-231291. 30m indoor (Note 1), 400m outdoor | Agreed |
| 42 | 7.2 | [**S1-231300**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231300.zip) | Huawei Technologies France | FS\_Ambient IoT update Transfer Interval KPI table of clause 5.18 Fresh Food Supply Chain | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  |  | Agreed |
| 43 | 7.2 | [**S1-231241**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231241.zip) | Xiaomi | Deletion of digitally stored information in the use case 29 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | It is proposed to update the requirement of deletion of digitally stored information in the use case 29. |  | Revised to S1-231412 |
| 44 | 7.2 | **S1-231412** | Xiaomi | Deletion of digitally stored information in the use case 29 |  |  |  |  |  |  |  |  |  | Revision of S1-231241. | Revised to S1-231486 |
| 45 | 7.2 | **S1-231486** | Xiaomi | Deletion of digitally stored information in the use case 29 |  |  |  |  |  |  |  |  | Replaces S1-231412 | 2nd req: application data should be mentioned as a more generic case | Revised to S1-231764 |
| 46 | 7.2 | **S1-231764** | Xiaomi | Deletion of digitally stored information in the use case 29 | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231486 | Revision of S1-231241. Revision of S1-231412. Revision of S1-231486.  Ericsson still think that Application Data are outside of 3GPP | Noted |
| 47 | 7.2 | [**S1-231079**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231079.zip) | vivo | power consumption descriptions for use case 24 and 25 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**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 S1-231413 |
| 48 | 7.2 | **S1-231413** | vivo | power consumption descriptions for use case 24 and 25 |  |  |  |  |  |  |  |  |  | Revision of S1-231079. | Agreed |
| 49 | 7.2 | [**S1-231227**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231227.zip) | Xiaomi | Pseudo-CR on Updates to Clause 5.21 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  |  | Agreed |
| 50 | 7.2 | [**S1-231286**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231286.zip) | Huawei Technologies France | FS\_Ambient IoT clause5\_22 kpi communication range | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**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 S1-231414 |
| 51 | 7.2 | **S1-231414** | Huawei | FS\_Ambient IoT clause5\_22 kpi communication range |  |  |  |  |  |  |  |  |  | Revision of S1-231286.  In the end, just an "s" is removed. | Agreed |
| 52 | 7.2 | [**S1-231287**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231287.zip) | Huawei Technologies France | pCR-FS\_Ambient IoT clause5\_24 kpi communication range | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**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 S1-231415 |
| 53 | 7.2 | **S1-231415** | Huawei | pCR-FS\_Ambient IoT clause5\_24 kpi communication range |  |  |  |  |  |  |  |  |  | Revision of S1-231287. | Noted |
| 54 | 7.2 | [**S1-231288**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231288.zip) | Huawei Technologies France | FS\_Ambient IoT clause5\_25 kpi | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**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 S1-231416 |
| 55 | 7.2 | **S1-231416** | Huawei | FS\_Ambient IoT clause5\_25 kpi |  |  |  |  |  |  |  |  |  | Revision of S1-231288. | Noted |
| 56 | 7.2 | [**S1-231296**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231296.zip) | Huawei Technologies France | FS\_Ambient IoT update KPI Device Density to clause 5.26 Elderly Health Care | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**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 S1-231417 |
| 57 | 7.2 | **S1-231417** | Huawei | FS\_Ambient IoT update KPI Device Density to clause 5.26 Elderly Health Care |  |  |  |  |  |  |  |  |  | Revision of S1-231296. | Revised to S1-231461 |
| 58 | 7.2 | **S1-231461** | Huawei | FS\_Ambient IoT update KPI Device Density to clause 5.26 Elderly Health Care |  |  |  |  |  |  |  |  |  | Revision of S1-231296. Revision of S1-231417. | Agreed |
| 59 | 7.2 | [**S1-231246**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231246.zip) | Xiaomi | Resolving the FFS about relay in the use case 27 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | It is proposed to resolve the FFS about relay in the use case 27. |  | Revised to S1-231441 |
| 60 | 7.2 | **S1-231441** | Xiaomi | Resolving the FFS about relay in the use case 27 |  |  |  |  |  |  |  |  |  | Revision of S1-231246. | Revised to S1-231462 |
| 61 | 7.2 | **S1-231462** | Xiaomi | Resolving the FFS about relay in the use case 27 |  |  |  |  |  |  |  |  |  | Revision of S1-231246. Revision of S1-231441.  Some typos, discussion still open | Revised to S1-231488 |
| 62 | 7.2 | **S1-231488** | Xiaomi | Resolving the FFS about relay in the use case 27 |  |  |  |  |  |  |  |  | Replaces S1-231462 | Huawei still has concerns with the definition and with the req. | Revised to S1-231765 |
| 63 | 7.2 | **S1-231765** | Xiaomi | Resolving the FFS about relay in the use case 27 |  |  |  |  |  |  |  |  | Replaces S1-231488 | Revision of S1-231246. Revision of S1-231441. Revision of S1-231462. Revision of S1-231488. | Revised to S1-231787 |
| 64 | 7.2 | **S1-231787** | Xiaomi | Resolving the FFS about relay in the use case 27 | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231765 | Revision of S1-231246. Revision of S1-231441. Revision of S1-231462. Revision of S1-231488. Revision of S1-231765.  Change note to UE in the requirement and note | Revised to S1-231813 |
| 64r | 7.2 | **S1-231813** | Xiaomi | Resolving the FFS about relay in the use case 27 | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231787 |  | Agreed. |
| 65 | 7.2 | [**S1-231248**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231248.zip) | Xiaomi | Resolving the timer FFS in the use case 28 | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | It is proposed to resolve the timer FFS in the use case 28. |  | Revised to S1-231442 |
| 66 | 7.2 | **S1-231442** | Xiaomi | Resolving the timer FFS in the use case 28 |  |  |  |  |  |  |  |  |  | Revision of S1-231248. | Revised to S1-231463 |
| 67 | 7.2 | **S1-231463** | Xiaomi | Resolving the timer FFS in the use case 28 |  |  |  |  |  |  |  |  |  | Revision of S1-231248. Revision of S1-231442.  Some terms are still undefined | Revised to S1-231489 |
| 68 | 7.2 | **S1-231489** | Xiaomi | Resolving the timer FFS in the use case 28 |  |  |  |  |  |  |  |  | Replaces S1-231463 | Revision of S1-231248. Revision of S1-231442. Revision of S1-231463. | Withdrawn |
| 69 | 7.2 | [**S1-231250**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231250.zip) | InterDigital Inc. | Update to the Traffic Scenario on Flower Auction | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | This pCR provides an update to the Traffic Scenario on Flower Auction. |  | Noted |
| 70 | 7.2 | [**S1-231269**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231269.zip) | OPPO | pCR on KPIs for Ambient IoT traffic scenario on Electronic Shelf Label | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | This contribution proposes to update KPI table and relevant texts in the Clause 6.3 of TR 22.840 v1.1.0 |  | Revised to S1-231443 |
| 71 | 7.2 | **S1-231443** | OPPO | pCR on KPIs for Ambient IoT traffic scenario on Electronic Shelf Label |  |  |  |  |  |  |  |  |  | Revision of S1-231269. | Revised to S1-231464 |
| 72 | 7.2 | **S1-231464** | OPPO | pCR on KPIs for Ambient IoT traffic scenario on Electronic Shelf Label |  |  |  |  |  |  |  |  |  | Revision of S1-231269. Revision of S1-231443. | Agreed |
| 74 | 7.2 | [**S1-231097**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231097.zip) | OPPO | Consolidation of Ambient IoT functional CPR | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | Ambient IoT functional CPR proposals |  | Revised to S1-231351 |
| 75 | 7.2 | **S1-231351** | OPPO | Consolidation of Ambient IoT functional CPR | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231097 | Revision of S1-231097. | Revised to S1-231444 |
| 76 | 7.2 | **S1-231444** | OPPO | Consolidation of Ambient IoT functional CPR |  |  |  |  |  |  |  |  |  | Revision of S1-231097. Revision of S1-231351. | Revised to S1-231456 |
| 77 | 7.2 | **S1-231456** | OPPO | Consolidation of Ambient IoT functional CPR |  |  |  |  |  |  |  |  | Revision of S1-231097. Revision of S1-231351. Revision of S1-231444. | These are the ones that were green in the drafting session. Another number to be given for the yellow/red ones.  Was agreed then Noted because of Qualcomm and Ericsson  Oppo: this was agreed then objected at the end of the meeting by 2 companies.  ZTE and vivo: last minute objections do not respect the spirit of the group, and no technical reason was put forward.  Huawei: no technical reason is put forward to justify the objection.  Chair: two companies are taking the lead in destroying each other's led study, and this is not a responsible behaviour. SA1 is often named as an example as the positive spirit that and this goes completely in the opposite direction. A much more collaborative approach would be much appreciated and needed in the future. Even in lock-down situation, such behaviour was not used. | Noted |
| 78 | 7.2 | **S1-231487** | OPPO | Consolidation of Ambient IoT functional CPR - part 2 |  |  |  |  |  |  |  |  |  | 7.1.3 should be removed | Revised to S1-231788 |
| 79 | 7.2 | **S1-231788** | OPPO | Consolidation of Ambient IoT functional CPR - part 2 |  |  |  |  |  |  |  |  | Replaces S1-231487 | Revision of S1-231097. Revision of S1-231351. Revision of S1-231444. Revision of S1-231487. Delete requirement in clause 7.1.3 (only 1 requirement left)  Was Agreed then objected by Qualcomm and Ericsson | Noted |
| 80 | 7.2 | [**S1-231312**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231312.zip) | Sharp, Apple | Pseudo-CR on New CPR for Management of Ambient IoT device | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | The document proposes revised CPR 7.1.3-1, and a new CPR 7.1.3-1b and 7.1.3-1c |  | Merge into S1-231444 |
| 81 | 7.2 | [**S1-231314**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231314.zip) | Sharp | Pseudo-CR on Revised CPR for Management of Ambient IoT device | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | This document proposes revised text for CPR 7.1.3-6 |  | Merge into S1-231444 |
| 82 | 7.2 | [**S1-231251**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231251.zip) | OPPO | Consolidation on KPI for Ambient IoT | pCR | [**22.840**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AmbientIoT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | Consolidation on KPI for Ambient IoT |  | Revised to S1-231678 |
| 83 | 7.2 | **S1-231678** | OPPO | Consolidation on KPI for Ambient IoT | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231251 | Revision of S1-231251. | Revised to S1-231713 |
| 84 | 7.2 | **S1-231713** | OPPO | Consolidation on KPI for Ambient IoT | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231678 | Revision of S1-231251. Revision of S1-231678. | Revised to S1-231744 |
| 85 | 7.2 | **S1-231744** | OPPO | Consolidation on KPI for Ambient IoT | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231713 | Ericsson's comments are still not solved on why positioning is needed here. | Revised to S1-231766 |
| 86 | 7.2 | **S1-231766** | OPPO | Consolidation on KPI for Ambient IoT | pCR | **22.840** |  |  |  | 1.1.0 | **Rel-19** | **FS\_AmbientIoT** | Replaces S1-231744 | Revision of S1-231251. Revision of S1-231678. Revision of S1-231713. Revision of S1-231744. Remove table of positioning in 7.1.3. No presentation  Was agreed then Noted because of Qualcomm and Ericsson | Noted |
| 01 | 7.2.1 | **S1-231332** | Rapporteur (OPPO) | Cover sheet of the TR22.840 for approval | TS or TR cover | **22.840** |  |  |  |  |  |  |  | To go for approval  "Consolidation work is in progress"  No consensus, 2 companies want "lots of consolidation work still needed" (Ericsson, Qualcomm) | Noted |
| 02 | 7.2.1 | **S1-231333** | Rapporteur (OPPO) | TR 22.840v1.2.0 Study on Ambient power-enabled Internet of Things |  |  |  |  |  |  |  |  |  | Rapporteur to send the draft by Tuesday 20May, 23 UTC, comments until Thursday 1st, final version by Friday 2nd. | Agreed |
| 03 | 7.3 | [**S1-231232**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231232.zip) | Samsung (Rapporteur) | 22.856 pCR Clean Up | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | This pCR proposes clean up corrections to TR 22.856. |  | Agreed |
| 05 | 7.3 | [**S1-231094**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231094.zip) | Samsung, Huawei | 22.856 pCR: Removal of all Editor's Notes | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | To prepare the TR for approval, this pCR removes all Editor's Notes and material that remains FFS. To retain this material, other pCRs that are agreed at SA1 102 can replace the changes in this pCR. |  | Revised to S1-231582 |
| 06 | 7.3 | **S1-231582** | Samsung, Huawei | 22.856 pCR: Removal of all Editor's Notes |  |  |  |  |  |  |  |  |  | Revision of S1-231094. | Revised to S1-231623 |
| 07 | 7.3 | **S1-231623** | Samsung, Huawei | 22.856 pCR: Removal of all Editor's Notes |  |  |  |  |  |  |  |  | Replaces S1-231582 | Revision of S1-231094. Revision of S1-231582. | Revised to S1-231767 |
| 08 | 7.3 | **S1-231767** | Samsung, Huawei | 22.856 pCR: Removal of all Editor's Notes |  |  |  |  |  |  |  |  | Replaces S1-231623 | Revision of S1-231094. Revision of S1-231582. Revision of S1-231623. | Agreed |
| 09 | 7.3 | [**S1-231173**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231173.zip) | Huawei, Tencent | Pseudo-CR on updates to clause 5.2 | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | This document provides a TP to TR 22.856 to update the KPI table in clause 5.2. |  | Agreed |
| 10 | 7.3 | [**S1-231162**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231162.zip) | vivo | pCR on update of 5.7 AR Enabled Immersive Experience | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | Address the two editor's note in the agreed use case. |  | Revised to S1-231583 |
| 11 | 7.3 | **S1-231583** | vivo | pCR on update of 5.7 AR Enabled Immersive Experience |  |  |  |  |  |  |  |  |  | Revision of S1-231162. | Revised to S1-231690 |
| 12 | 7.3 | **S1-231690** | vivo | pCR on update of 5.7 AR Enabled Immersive Experience |  |  |  |  |  |  |  |  |  | Revision of S1-231162. Revision of S1-231583. | Agreed |
| 13 | 7.3 | [**S1-231247**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231247.zip) | InterDigital Inc. | Resolving Editor’s Notes in the Supporting multi-service coordination in one mobile metaverse service Use Case | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | This pCR resolves editor’s notes in the “Supporting multi-service coordination in one mobile metaverse service” Use Case. |  | Merged to S1-231584 |
| 14 | 7.3 | [**S1-231092**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231092.zip) | Samsung, China Mobile | 22.856 pCR UPdate 5.8 Use Case Supporting multi-service coordination in one mobile metaverse service | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | This pCR proposes revision of an existing requirement that is currently 'for further study' for the use case in 5.8. |  | Revised to S1-231584 |
| 15 | 7.3 | **S1-231584** | Samsung, China Mobile | 22.856 pCR UPdate 5.8 Use Case Supporting multi-service coordination in one mobile metaverse service |  |  |  |  |  |  |  |  |  | Revision of S1-231092. | Revised to S1-231691 |
| 16 | 7.3 | **S1-231691** | Samsung, China Mobile | 22.856 pCR UPdate 5.8 Use Case Supporting multi-service coordination in one mobile metaverse service |  |  |  |  |  |  |  |  |  | Revision of S1-231092. Revision of S1-231584. | Revised to S1-231727 |
| 17 | 7.3 | **S1-231727** | Samsung, China Mobile | 22.856 pCR UPdate 5.8 Use Case Supporting multi-service coordination in one mobile metaverse service |  |  |  |  |  |  |  |  | Replaces S1-231691 | Revision of S1-231092. Revision of S1-231584. Revision of S1-231691. Add Stage 2 to the last reference | Agreed |
| 18 | 7.3 | [**S1-231163**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231163.zip) | vivo | pCR on update of 5.12 Virtual humans in metaverse | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | Add some clarifications on the round trip |  | Revised to S1-231585 |
| 19 | 7.3 | **S1-231585** | vivo | pCR on update of 5.12 Virtual humans in metaverse |  |  |  |  |  |  |  |  |  | Revision of S1-231163. | Agreed |
| 20 | 7.3 | [**S1-231013**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231013.zip) | China Telecom | PCR on Update of 5.15 Access to avatars | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  |  | Agreed |
| 21 | 7.3 | [**S1-231213**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231213.zip) | NTT DOCOMO INC. | Addressing ENs on use case 5.17 | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  |  | Revised to S1-231580 |
| 22 | 7.3 | **S1-231580** | NTT DOCOMO | Addressing ENs on use case 5.17 |  |  |  |  |  |  |  |  |  | Revision of S1-231213. | Revised to S1-231587 |
| 23 | 7.3 | **S1-231587** | NTT DOCOMO | Addressing ENs on use case 5.17 |  |  |  |  |  |  |  |  |  | Revision of S1-231213. Revision of S1-231580. | Revised to S1-231598 |
| 24 | 7.3 | **S1-231598** | NTT DOCOMO | Addressing ENs on use case 5.17 |  |  |  |  |  |  |  |  |  | Revision of S1-231213. Revision of S1-231580. Revision of S1-231587. | Agreed |
| 25 | 7.3 | [**S1-231214**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231214.zip) | NTT DOCOMO INC. | Editorial update proposal on use case 5.17 | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  |  | Revised to S1-231581 |
| 26 | 7.3 | **S1-231581** | NTT DOCOMO | Editorial update proposal on use case 5.17 |  |  |  |  |  |  |  |  |  | Revision of S1-231214. | Agreed |
| 27 | 7.3 | [**S1-231125**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231125.zip) | Rakuten Mobile, Inc | pCR on the update for clause 5.21 Virtual Emergency Drill | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  |  | Noted |
| 28 | 7.3 | [**S1-231160**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231160.zip) | China Mobile, Huawei, | Update of the Use Case on Authorization of Avatar Usage Rights | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  |  | Revised to S1-231353 |
| 29 | 7.3 | **S1-231353** | China Mobile, Huawei, | Update of the Use Case on Authorization of Avatar Usage Rights | pCR | **22.856** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Metaverse** | Replaces S1-231160 | Revision of S1-231160. | Revised to S1-231588 |
| 30 | 7.3 | **S1-231588** | China Mobile, Huawei | Update of the Use Case on Authorization of Avatar Usage Rights |  |  |  |  |  |  |  |  |  | Revision of S1-231160. Revision of S1-231353. | Revised to S1-231592 |
| 31 | 7.3 | **S1-231592** | China Mobile, Huawei | Update of the Use Case on Authorization of Avatar Usage Rights |  |  |  |  |  |  |  |  |  | Revision of S1-231160. Revision of S1-231353. Revision of S1-231588. Change store and update to manage, the to an remove NOTE. | Agreed |
| 32 | 7.3 | [**S1-231093**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231093.zip) | Samsung | 22.856 pCR Update 5.27 Use case of Localized Mobile Metaverse Overload | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | This pCR proposes existing support & updated requirements for the use case in 5.8. |  | Revised to S1-231589 |
| 33 | 7.3 | **S1-231589** | Samsung | 22.856 pCR Update 5.27 Use case of Localized Mobile Metaverse Overload |  |  |  |  |  |  |  |  |  | Revision of S1-231093. | Revised to S1-231597 |
| 34 | 7.3 | **S1-231597** | Samsung | 22.856 pCR Update 5.27 Use case of Localized Mobile Metaverse Overload |  |  |  |  |  |  |  |  |  | Revision of S1-231093. Revision of S1-231589. Removal of NOTE | Agreed |
| 35 | 7.3 | [**S1-231014**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231014.zip) | China Telecom | PCR on Update of 5.28 User identities in a digital asset container | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  |  | Revised to S1-231590 |
| 36 | 7.3 | **S1-231590** | China Telecom | PCR on Update of 5.28 User identities in a digital asset container |  |  |  |  |  |  |  |  |  | Revision of S1-231014. | Revised to S1-231599 |
| 37 | 7.3 | **S1-231599** | China Telecom | PCR on Update of 5.28 User identities in a digital asset container |  |  |  |  |  |  |  |  |  | Revision of S1-231014. Revision of S1-231590. With changes PR2 | Agreed |
| 38 | 7.3 | [**S1-231164**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231164.zip) | vivo | pCR on update of Annex C Energy Efficiency of Content Delivery for Metaverse Media Communication | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | Complete the anayasis on Energy Efficiency of Content Delivery for Metaverse Media Communication |  | Revised to S1-231591 |
| 39 | 7.3 | **S1-231591** | vivo | pCR on update of Annex C Energy Efficiency of Content Delivery for Metaverse Media Communication |  |  |  |  |  |  |  |  |  | Revision of S1-231164. | Revised to S1-231692 |
| 40 | 7.3 | **S1-231692** | vivo | pCR on update of Annex C Energy Efficiency of Content Delivery for Metaverse Media Communication |  |  |  |  |  |  |  |  |  | Revision of S1-231164. Revision of S1-231591. | Agreed |
| 42 | 7.3 | [**S1-231222**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231222.zip) | Huawei Technologies R&D UK | Discussion on FS\_Metaverse Potential Requirements Consolidation | discussion | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | This document discuss the potential requirements consolidation for the FS\_Metaverse study, and proposes a way forward. |  | Noted |
| 43 | 7.3 | [**S1-231103**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231103.zip) | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | This pCR proposes a consolidation of requirements for the FS\_Metaverse study. |  | Revised to S1-231350 |
| 44 | 7.3 | **S1-231350** | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | pCR | **22.856** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Metaverse** | Replaces S1-231103 | Revision of S1-231103. | Revised to S1-231369 |
| 45 | 7.3 | **S1-231369** | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | pCR | **22.856** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Metaverse** | Replaces S1-231350 | Revision of S1-231103. Revision of S1-231350. | Revised to S1-231384 |
| 46 | 7.3 | **S1-231384** | Samsung, Huawei | FS\_Metaverse Requirement Consolidation | pCR | **22.856** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Metaverse** | Replaces S1-231369 | Revision of S1-231103. Revision of S1-231350. Revision of S1-231369. | Revised to S1-231693 |
| 47 | 7.3 | **S1-231693** | Samsung, Huawei | FS\_Metaverse Requirement Consolidation |  |  |  |  |  |  |  |  |  | Revision of S1-231103. Revision of S1-231350. Revision of S1-231369. Revision of S1-231384. | Revised to S1-231695 |
| 48 | 7.3 | **S1-231695** | Samsung, Huawei | FS\_Metaverse Requirement Consolidation |  |  |  |  |  |  |  |  |  | Revision of S1-231103. Revision of S1-231350. Revision of S1-231369. Revision of S1-231384. Revision of S1-231693. | Revised to S1-231721 |
| 49 | 7.3 | **S1-231721** | Samsung, Huawei | FS\_Metaverse Requirement Consolidation |  |  |  |  |  |  |  |  | Replaces S1-231695 | Revision of S1-231103. Revision of S1-231350. Revision of S1-231369. Revision of S1-231384. Revision of S1-231693. Revision of S1-231695. | Revised to S1-231726 |
| 50 | 7.3 | **S1-231726** | Samsung, Huawei | FS\_Metaverse Requirement Consolidation |  |  |  |  |  |  |  |  | Replaces S1-231721 | delete C.8, D3, D4, D5, D8 , and last E  Kept open.  Revised to S1-231739 | Revised to S1-231739 |
| 51 | 7.3 | **S1-231739** | Samsung, Huawei | FS\_Metaverse Requirement Consolidation |  |  |  |  |  |  |  |  | Replaces S1-231726 | Revision of S1-231103. Revision of S1-231350. Revision of S1-231369. Revision of S1-231384. Revision of S1-231693. Revision of S1-231695. Revision of S1-231721. Delete CPRs C8, D3, D5, D8, D4, E6 Clean tdoc and remove line of use cases at the beginning of the sections. Revision of S1-231726. | Revised to S1-231748 |
| 52 | 7.3 | **S1-231748** | Samsung, Huawei | FS\_Metaverse Requirement Consolidation |  |  |  |  |  |  |  |  | Replaces S1-231739 | Revision of S1-231103. Revision of S1-231350. Revision of S1-231369. Revision of S1-231384. Revision of S1-231693. Revision of S1-231695. Revision of S1-231721. Delete CPRs C8, D3, D5, D8, D4, E6 Clean tdoc and remove line of use cases at the beginning of the sections. Revision of S1-231726. Revision of S1-231739. | Revised to S1-231784 |
| 53 | 7.3 | **S1-231784** | Samsung, Huawei | FS\_Metaverse Requirement Consolidation |  |  |  |  |  |  |  |  | Replaces S1-231748 | Revision of S1-231103. Revision of S1-231350. Revision of S1-231369. Revision of S1-231384. Revision of S1-231693. Revision of S1-231695. Revision of S1-231721. Delete CPRs C8, D3, D5, D8, D4, E6 Clean tdoc and remove line of use cases at the beginning of the sections. Revision of S1-231726. Revision of S1-231739. Revision of S1-231748. | Agreed |
| 54 | 7.3 | **S1-231710** | Editor (Samsung) | FS\_Metaverse requirements not consolidated |  |  |  |  |  |  |  |  |  |  | Noted |
| 55 | 7.3 | [**S1-231109**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231109.zip) | Huawei, Samsung, Nokia, Nokia Shanghai Bell, Tencent | pCR to TR 22.865: Requirement Consolidation for KPIs | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | This pCR proposes an initial consolidation of KPI requirements for the FS\_Metaverse study. |  | Revised to S1-231593 |
| 56 | 7.3 | **S1-231593** | Huawei, Samsung, Nokia, Nokia Shanghai Bell, Tencent | pCR to TR 22.865: Requirement Consolidation for KPIs |  |  |  |  |  |  |  |  |  | Revision of S1-231109. | Revised to S1-231696 |
| 57 | 7.3 | **S1-231696** | Huawei, Samsung, Nokia, Nokia Shanghai Bell, Tencent | pCR to TR 22.865: Requirement Consolidation for KPIs |  |  |  |  |  |  |  |  |  | Revision of S1-231109. Revision of S1-231593. | Agreed |
| 58 | 7.3 | [**S1-231100**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231100.zip) | Samsung (Rapporteur) | 22.856 pCR Update 8 Conclusion | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | This pCR proposes the conclusion to TR 22.856. |  | Revised to S1-231594 |
| 59 | 7.3 | **S1-231594** | Samsung (Rapporteur) | 22.856 pCR Update 8 Conclusion |  |  |  |  |  |  |  |  |  | Revision of S1-231100. With removal of the second sentence of the proposal. | Agreed |
| 60 | 7.3 | **S1-231698** | Samsung | FS\_Metaverse agreed, non-consolidated requirements |  |  |  |  |  |  |  |  |  |  | Revised to S1-231728 |
| 61 | 7.3 | **S1-231728** | Samsung | FS\_Metaverse agreed, non-consolidated requirements |  |  |  |  |  |  |  |  | Replaces S1-231698 | Revision of S1-231698. | Revised to S1-231749 |
| 62 | 7.3 | **S1-231749** | Samsung | FS\_Metaverse agreed, non-consolidated requirements |  |  |  |  |  |  |  |  | Replaces S1-231728 | Revision of S1-231698. Revision of S1-231728. | Noted |
| 63 | 7.3 | S1-231015 | China Telecom, Orange, China Mobile, Huawei | Merged potential service requirements on digital asset management | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  |  | Withdrawn |
| 64 | 7.3 | [**S1-231016**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231016.zip) | China Mobile Com. Corporation | S1-23xxxx-22856-pCR-Update of the Use Case on Authorization of Avatar Usage Rights | pCR | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  |  | Withdrawn |
| 65 | 7.3 | [**S1-231091**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231091.zip) | SAMSUNG R&D INSTITUTE JAPAN | FS\_Metaverse Status Report | report |  |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Withdrawn |
| 01 | 7.3.1 | [**S1-231090**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231090.zip) | Samsung (Rapporteur) | Presentation of Specification/Report to TSG: TR 22.856 1.1.0 | TS or TR cover | [**22.856**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_Metaverse**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | The FS\_Metaverse study TR 22.856 has advanced significantly and is provided to TSG SA for approval. |  | Revised to S1-231777 |
| 02 | 7.3.1 | **S1-231777** | Samsung (Rapporteur) | Presentation of Specification/Report to TSG: TR 22.856 1.1.0 | TS or TR cover | **22.856** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Metaverse** | Replaces S1-231090 | "the consoldiation" -> "most of consolidation" | Revised to S1-231789 |
| 03 | 7.3.1 | **S1-231789** | Samsung (Rapporteur) | Presentation of Specification/Report to TSG: TR 22.856 1.1.0 | TS or TR cover | **22.856** |  |  |  | 1.0.0 | **Rel-19** | **FS\_Metaverse** | Replaces S1-231777 | Revision of S1-231090. Revision of S1-231777. To change: - Most consolidation of potential requirements and KPIs have been completed. - Requirements updated (that previously were under discussion but not yet agreed.) No presentation | Agreed |
| 04 | 7.3.1 | **S1-231334** | Rapporteur (Samsung) | TR 22.856v1.1.0 Study on Localized Mobile Metaverse Services |  |  |  |  |  |  |  |  |  | Rapporteur to send the draft by Tuesday 20May, 23 UTC, comments until Thursday 1st, final version by Friday 2nd. | Agreed |
| 03 | 7.4 | [**S1-231139**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231139.zip) | CATT | Term Adaption and Alignment in PRs | pCR | [**22.851**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_NetShare**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) |  |  | Revised to S1-231523 |
| 04 | 7.4 | **S1-231523** | CATT | Term Adaption and Alignment in PRs |  |  |  |  |  |  |  |  |  | Revision of S1-231139. | Agreed |
| 05 | 7.4 | [**S1-231182**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231182.zip) | China Unicom | Definition alignment of TR 22.851 | pCR | [**22.851**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_NetShare**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) | TR 22.851 discusses 7 Indirect Network Sharing related definitions. This work brings some corrections or alignments throughout the whole TR 22.851 V1.1.0. | No presentation | Pre-agreed |
| 07 | 7.4 | [**S1-231138**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231138.zip) | CATT | pCR on Updates of 5.7 Long Distance Mobility | pCR | [**22.851**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_NetShare**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) |  | No presentation | Pre-agreed |
| 08 | 7.4 | [**S1-231255**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231255.zip) | CableLabs | Use case for prioritizing home RAN over partner operator's RAN | pCR | [**22.851**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_NetShare**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) | Updates to Clause 3.1 and Additional clarification for 5.1 on the use case and requirements for indirect connection between the shared access and the core networks of the participating operators. |  | Revised to S1-231505 |
| 09 | 7.4 | **S1-231505** | CableLabs | Use case for prioritizing home RAN over partner operator's RAN |  |  |  |  |  |  |  |  |  | Revision of S1-231255. Clarification on NOTEs | Revised to S1-231524 |
| 10 | 7.4 | **S1-231524** | CableLabs | Use case for prioritizing home RAN over partner operator's RAN |  |  |  |  |  |  |  |  |  | Revision of S1-231255. Clarification on NOTEs Revision of S1-231505.  Editorial problems to be handled by the rapporteur. | Revised to S1-231525 |
| 11 | 7.4 | **S1-231525** | CableLabs | Use case for prioritizing home RAN over partner operator's RAN |  |  |  |  |  |  |  |  | Replaces S1-231524 | Revision of S1-231255. Clarification on NOTEs Revision of S1-231505. Revision of S1-231524. | Agreed |
| 13 | 7.4 | [**S1-231019**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231019.zip) | ZTE | Requirements Consolidation- Further Aspects | pCR | [**22.851**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_NetShare**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) | Consolidation of requirements for Service Aspects has been handled in separate contribution.  In this contribution further aspects have been considered to which consolidated requirements are defined based on the potential identified requirements from the NG-RAN Network Sharing Study Item |  | Revised to S1-231344 |
| 14 | 7.4 | **S1-231344** | ZTE | Requirements Consolidation- Further Aspects | pCR | **22.851** |  |  |  | 1.1.0 | **Rel-19** | **FS\_NetShare** | Replaces S1-231019 | Revision of S1-231019. | Revised to S1-231506 |
| 15 | 7.4 | **S1-231506** | ZTE | Requirements Consolidation- Further Aspects |  |  |  |  |  |  |  |  |  | Revision of S1-231019. Revision of S1-231344 7.2.X.1 removed from considering 7.2.Y.3 removed the NOTE Move the 7.2.Z to 7.2.X  "5G system" to be changed to "3GPP System" for continuity reasons. But then "NG-RAN" has to be changed too.  "5G system" can be kept finally. | Agreed |
| 16 | 7.4 | [**S1-231048**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231048.zip) | China Unicom | Updated Consolidation on general aspects | pCR | [**22.851**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_NetShare**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) | Consolidation of requirements on general aspects from the use cases on Network Sharing. |  | Revised to S1-231507 |
| 17 | 7.4 | **S1-231507** | China Unicom | Updated Consolidation on general aspects |  |  |  |  |  |  |  |  |  | Revision of S1-231048.  Format of numbering to be changed on 3rd column | Revised to S1-231526 |
| 18 | 7.4 | **S1-231526** | China Unicom | Updated Consolidation on general aspects |  |  |  |  |  |  |  |  | Replaces S1-231507 | Revision of S1-231048. Revision of S1-231507. Remove requirements from third column and only have the number of the PRs | Agreed |
| 19 | 7.4 | [**S1-231137**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231137.zip) | CATT, Charter Communications | pCR on Security Consideration | pCR | [**22.851**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_NetShare**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) |  |  | Revised to S1-231508 |
| 20 | 7.4 | **S1-231508** | CATT, Charter Communications | pCR on Security Consideration |  |  |  |  |  |  |  |  |  | Revision of S1-231137. concerns on PR1-3 | Revised to S1-231723 |
| 21 | 7.4 | **S1-231723** | CATT, Charter Communications | pCR on Security Consideration |  |  |  |  |  |  |  |  | Replaces S1-231508 | Revision of S1-231137. concerns on PR1-3 Revision of S1-231508. | Agreed |
| 22 | 7.4 | [**S1-231140**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231140.zip) | CATT, China Unicom, Charter Communications | pCR on Consolidation – access control and security aspects | pCR | [**22.851**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_NetShare**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) |  |  | Revised to S1-231514 |
| 23 | 7.4 | **S1-231514** | CATT, China Unicom, Charter Communications | pCR on Consolidation access control and security aspects |  |  |  |  |  |  |  |  |  | Revision of S1-231140. | Revised to S1-231521 |
| 24 | 7.4 | **S1-231521** | CATT, China Unicom, Charter Communications | pCR on Consolidation access control and security aspects |  |  |  |  |  |  |  |  |  | Revision of S1-231140. Revision of S1-231514. | Revised to S1-231527 |
| 25 | 7.4 | **S1-231527** | Not used | Not used |  |  |  |  |  |  |  |  |  | Revision of S1-231140. Revision of S1-231514. Revision of S1-231521. 3GPP system -> 5G system | Agreed |
| 26 | 7.4 | [**S1-231052**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231052.zip) | China Unicom | FS\_Netshare Conclusions | pCR | [**22.851**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_NetShare**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) | Provide the potential Conclusions and Recommendations for TR22.851 V1.1.0. |  | Revised to S1-231522 |
| 27 | 7.4 | **S1-231522** | China Unicom | FS\_Netshare Conclusions |  |  |  |  |  |  |  |  |  | Revision of S1-231052. Remove the text on new TS No presentation | Pre-agreed |
| 28 | 7.4 | [**S1-231018**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231018.zip) | ZTE | Annex A1- Potential Requirements List for NetShare | pCR | [**22.851**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 1.1.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_NetShare**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) | List of defined potential requirements to the study item FS-NetShare |  | Noted |
| 01 | 7.4.1 | **S1-231335** | Rapporteur (China Unicom) | Cover sheet of the TR22.851 for approval | TS or TR cover |  |  |  |  |  |  |  |  | This will go for approval. | Revised to S1-231796 |
| 01r | 7.4.1 | **S1-231796** | Rapporteur (China Unicom) | Cover sheet of the TR22.851 for approval | TS or TR cover |  |  |  |  |  |  |  | Replaces S1-231335 |  | Agreed. |
| 02 | 7.4.1 | **S1-231336** | Rapporteur (China Unicom) | TR 22.851v1.2.0 Study on Network Sharing Aspects |  |  |  |  |  |  |  |  |  | Rapporteur to send the draft by Tuesday 20May, 23 UTC, comments until Thursday 1st, final version by Friday 2nd. | Agreed |
| 02 | 7.5 | [**S1-231177**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231177.zip) | Kyonggi University | Minor editorial update of some definitions | CR | [**22.989**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) | 0024 |  | D | 19.2.0 | [**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) | In this CR, we propose to add some terms to be defined to understand newly added use cases. | Wrong TR, missing 00 in CR# and wrong rev. | Revised in S1-231630 |
| 03 | 7.5 | **S1-231630** | Kyonggi University | 22.989v19.2.0 Introduction and updates of Smart railway definitions |  |  |  |  |  |  |  |  |  |  | Agreed in the drafting session |
| 04 | 7.5 | [**S1-231178**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231178.zip) | Kyonggi University | Minor editorial update of references | CR | [**22.989**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) | 0025 |  | D | 19.2.0 | [**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) | In this CR, we propose to add one reference to incorporate functional and/or performance requirements into mission-critical common service requirements for normative work. | Wrong TR, missing 00 in CR# and wrong rev. | Noted |
| 05 | 7.5 | [**S1-231315**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231315.zip) | UIC | Clean-up of Railway Emergency Communication related use cases | CR | [**22.989**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) | 0026 |  | F | 19.2.0 | [**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) | Update of gap analysis with notification requirement for Ad hoc Group Emergency Alert Update of gap analysis with multi-talker control for Ad hoc Group Emergency Voice communication |  | Revised in S1-231633 |
| 06 | 7.5 | **S1-231633** | UIC | 22.989v19.2.0 Clean-up of Railway Emergency Communication related use cases |  |  |  |  |  |  |  |  |  |  | Agreed in drafting session |
| 07 | 7.5 | [**S1-231170**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231170.zip) | Kyonggi University | Transportation convenience service for the passengers for the reduced mobility | discussion | [**22.989**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | This contribution is to provide a use case for the transportation convenience service for the weak in Section 8. | Need to be a CR | Withdrawn |
| 08 | 7.5 | **S1-231373** | Kyonggi University | Transportation convenience service for the passengers for the reduced mobility | CR | **22.989** | 0027 |  |  |  | **Rel-19** |  | Replaces S1-231170 | Replaces S1-231170 | Revised in S1-231632 |
| 09 | 7.5 | **S1-231632** | Kyonggi University | 22.989v19.2.0 Transportation convenience service for the passengers for the reduced mobility |  |  |  |  |  |  |  |  |  | Agreed in drafting session | Revised to S1-231680 |
| 10 | 7.5 | **S1-231680** | Kyonggi University | 22.989v19.2.0 Transportation convenience service for the passengers for the reduced mobility |  |  |  |  |  |  |  |  | Replaces S1-231632 | not agreeable, it has to be reverted to the previous version (in 1632) | Revised to S1-231731 |
| 11 | 7.5 | **S1-231731** | Kyonggi University | 22.989v19.2.0 Transportation convenience service for the passengers for the reduced mobility |  |  |  |  |  |  |  |  | Replaces S1-231680 | Identical to 1632 | Agreed |
| 12 | 7.5 | [**S1-231171**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231171.zip) | Kyonggi University | Multiple concurrent mobility services | discussion | [**22.989**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | This contribution is to provide a use case for multiple concurrent mobility services with different location accuracy in Section 8. | Need to be a CR | Withdrawn |
| 13 | 7.5 | **S1-231374** | Kyonggi University | Multiple concurrent mobility services | CR | **22.989** | 0028 |  |  |  | **Rel-19** |  | Replaces S1-231171 | Replaces S1-231171 | Revised in S1-231631 |
| 14 | 7.5 | **S1-231631** | Kyonggi University | 22.989v19.2.0 Multiple concurrent mobility services |  |  |  |  |  |  |  |  |  | Agreed in drafting session | Revised to S1-231679 |
| 15 | 7.5 | **S1-231679** | Kyonggi University | 22.989v19.2.0 Multiple concurrent mobility services |  |  |  |  |  |  |  |  | Replaces S1-231631 | not agreeable, it has to be reverted to the previous version (in 1631) | Revised to S1-231732 |
| 16 | 7.5 | **S1-231732** | Kyonggi University | 22.989v19.2.0 Multiple concurrent mobility services |  |  |  |  |  |  |  |  | Replaces S1-231679 | Identical to 1631 | Agreed |
| 03 | 7.6 | [**S1-231104**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231104.zip) | OPPO | FS\_AIML-Ph2 TR updates | pCR | [**22.876**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AIML\_MT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950008) | FS\_AIML-Ph2 TR updates | No presentation | Pre-agreed |
| 04 | 7.6 | [**S1-231301**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231301.zip) | InterDigital Inc. | Update to the Use Case Asynchronous FL via direct device connection | pCR | [**22.876**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AIML\_MT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950008) | This pCR updates the existing use case on Asynchronous FL via direct device connection. |  | Revised to S1-231509 |
| 05 | 7.6 | **S1-231509** | InterDigital | Update to the Use Case Asynchronous FL via direct device connection | pCR | [**22.876**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AIML\_MT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950008) |  | Revision of S1-231301. | Agreed |
| 07 | 7.6 | [**S1-231098**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231098.zip) | OPPO | Consolidation on Functional Requirement of AIML-Ph2 | pCR | [**22.876**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AIML\_MT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950008) | Consolidation on Functional Requirement of AIML-Ph2 |  | Revised to S1-231352 |
| 08 | 7.6 | **S1-231352** | OPPO | Consolidation on Functional Requirement of AIML-Ph2 | pCR | **22.876** |  |  |  | 1.0.0 | **Rel-19** | **FS\_AIML\_MT\_Ph2** | Replaces S1-231098 | Revision of S1-231098. | Revised to S1-191510 |
| 09 | 7.6 | **S1-231510** | OPPO | Consolidation on Functional Requirement of AIML-Ph2 | pCR | [**22.876**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AIML\_MT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950008) |  | Revision of S1-231098. Revision of S1-231352. Comments from Mediatek | Revised to S1-231708 |
| 10 | 7.6 | **S1-231708** | OPPO | Consolidation on Functional Requirement of AIML-Ph2 | pCR | **22.876** |  |  |  | 1.0.0 | **Rel-19** | **FS\_AIML\_MT\_Ph2** | Replaces S1-231510 | Revision of S1-231098. Revision of S1-231352. Comments from Mediatek Revision of S1-231510. | Revised to S1-231797 |
| 10r | 7.6 | **S1-231797** | OPPO | Consolidation on Functional Requirement of AIML-Ph2 | pCR | **22.876** |  |  |  | 1.0.0 | **Rel-19** | **FS\_AIML\_MT\_Ph2** | Replaces S1-231708 |  | Agreed. |
| 11 | 7.6 | [**S1-231099**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231099.zip) | OPPO | Consolidation on KPI table of AIML-Ph2 | pCR | [**22.876**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AIML\_MT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950008) | Consolidation on KPI table of AIML-Ph2 |  | Revised to S1-231511 |
| 12 | 7.6 | **S1-231511** | OPPO | Consolidation on KPI table of AIML-Ph2 | pCR | [**22.876**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AIML\_MT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950008) |  | Revision of S1-231099. Questions on latency and rate | Revised to S1-231725 |
| 13 | 7.6 | **S1-231725** | OPPO | Consolidation on KPI table of AIML-Ph2 | pCR | [**22.876**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AIML\_MT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950008) | Replaces S1-231511 | Revision of S1-231099. Questions on latency and rate Revision of S1-231511. Fix caption of tables. No presentation | Revised to S1-231741 |
| 14 | 7.6 | **S1-231741** | OPPO | Consolidation on KPI table of AIML-Ph2 | pCR | **22.876** |  |  |  | 1.0.0 | **Rel-19** | **FS\_AIML\_MT\_Ph2** | Replaces S1-231725 | Revision of S1-231099. Questions on latency and rate Revision of S1-231511. Fix caption of tables. No presentation Revision of S1-231725. | Agreed |
| 15 | 7.6 | [**S1-231102**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231102.zip) | OPPO | TR conclusion of AIML-Ph2 | pCR | [**22.876**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AIML\_MT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950008) | TR conclusion of AIML-Ph2 |  | Revised to S1-191512 |
| 16 | 7.6 | **S1-231512** | OPPO | TR conclusion of AIML-Ph2 | pCR | [**22.876**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_AIML\_MT\_Ph2**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950008) |  | Revision of S1-231102. Remove the into a new TS No presentation | Pre-agreed |
| 01 | 7.6.1 | **S1-231337** | Rapporteur (OPPO) | Cover sheet of the TR22.876 for approval | TS or TR cover | **22.876** |  |  |  |  |  |  |  | "95%completed" to be deleted.  Outstanding issues is "none".  Change history to be deleted. | Revised to S1-231814 |
| 01r | 7.6.1 | **S1-231814** | Rapporteur (OPPO) | Cover sheet of the TR22.876 for approval | TS or TR cover | **22.876** |  |  |  |  |  |  | Replaces S1-231337 | To send the TR for approval. | Agreed. |
| 02 | 7.6.1 | **S1-231338** | Rapporteur (OPPO) | TR 22.876v1.1.0 Study on AI/ML Model Transfer\_Phase2 |  |  |  |  |  |  |  |  |  | Rapporteur to send the draft by Tuesday 20May, 23 UTC, comments until Thursday 1st, final version by Friday 2nd. | Agreed |
| 03 | 7.7 | [**S1-231084**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231084.zip) | NOVAMINT, Nokia, China Telecom, Huawei | update for scope and overview sections | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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 S1-231560 |
| 04 | 7.7 | **S1-231560** | NOVAMINT, Nokia, China Telecom, Huawei | update for scope and overview sections |  |  |  |  |  |  |  |  |  | Revision of S1-231084. Remove text on network planning | Agreed |
| 05 | 7.7 | [**S1-231085**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231085.zip) | NOVAMINT | update and clean-ups for TR 22.865 | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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 S1-231575 |
| 06 | 7.7 | **S1-231575** | NOVAMINT | update and clean-ups for TR 22.865 |  |  |  |  |  |  |  |  |  | Revision of S1-231085. Remove changes also addressed in other tdocs | Agreed |
| 07 | 7.7 | [**S1-231144**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231144.zip) | CATT | pCR on new term for UE-Satellite-UE communication | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.3.0 | [**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 S1-231561 |
| 08 | 7.7 | **S1-231561** | CATT | pCR on new term for UE-Satellite-UE communication |  |  |  |  |  |  |  |  |  | Revision of S1-231144. | Revised to S1-231576 |
| 09 | 7.7 | **S1-231576** | CATT | pCR on new term for UE-Satellite-UE communication |  |  |  |  |  |  |  |  |  | Revision of S1-231144. Revision of S1-231561. Several -> more | Agreed |
| 11 | 7.7 | [**S1-231117**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231117.zip) | CMCC | pCR on updating service requirements for clause 5.1 | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) | This document proposes a performance optimization PR for the S&F MO service once the feeder link is available. |  | Revised to S1-231562 |
| 12 | 7.7 | **S1-231562** | CMCC | pCR on updating service requirements for clause 5.1 |  |  |  |  |  |  |  |  |  | Revision of S1-231117. | Revised to S1-231577 |
| 13 | 7.7 | **S1-231577** | CMCC | pCR on updating service requirements for clause 5.1 |  |  |  |  |  |  |  |  |  | Revision of S1-231117. Revision of S1-231562. Last requirement: [PR 5.1.6-007] The 5G system with satellite access supporting the S&F operation shall be able to support suitable means to resume communication between the ground station and satellite once the feeder link becomes available. | Agreed |
| 14 | 7.7 | [**S1-231120**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231120.zip) | ETRI, Novamint, Lockheed Martin | Pseudo-CR on update of clause 5.1 Use case on store and forward - MO | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) | This document provides a text proposal to TR 22.865 to update the use case on “store and forward - MO” including the potential requirements. |  | Revised to S1-231563 |
| 15 | 7.7 | **S1-231563** | ETRI, Novamint, Lockheed Martin | Pseudo-CR on update of clause 5.1 Use case on store and forward - MO |  |  |  |  |  |  |  |  |  | Revision of S1-231120. With note added as is on the photo | Agreed |
| 16 | 7.7 | [**S1-231118**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231118.zip) | CMCC | pCR on update service requirements for clause 5.2 | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) | This document proposes performance optimization PRs for the S&F MT service once the feeder link is available. |  | Revised to S1-231564 |
| 17 | 7.7 | **S1-231564** | CMCC | pCR on update service requirements for clause 5.2 |  |  |  |  |  |  |  |  |  | Revision of S1-231118. | Revised to S1-231578 |
| 18 | 7.7 | **S1-231578** | CMCC | pCR on update service requirements for clause 5.2 |  |  |  |  |  |  |  |  |  | Revision of S1-231118. Revision of S1-231564. [PR 5.2.6-006] The 5G system with satellite access supporting the S&F operation shall be able to support suitable means to resume communication between the ground station and satellite once the feeder link becomes available. | Agreed |
| 19 | 7.7 | [**S1-231143**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231143.zip) | CATT | pCR on Updates of 5.2 Store and Forward- MT | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.3.0 | [**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 S1-231565 |
| 20 | 7.7 | **S1-231565** | CATT | pCR on Updates of 5.2 Store and Forward- MT |  |  |  |  |  |  |  |  |  | Revision of S1-231143. | Revised to S1-231579 |
| 21 | 7.7 | **S1-231579** | CATT | pCR on Updates of 5.2 Store and Forward- MT |  |  |  |  |  |  |  |  |  | Revision of S1-231143. Revision of S1-231565. [PR 5.2.6-005] The 5G system with satellite access shall be able to provide to a trusted third party application the information about the store and forward operation applied to a UE (e.g. estimated delivery time to the UE). | Agreed |
| 22 | 7.7 | [**S1-231208**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231208.zip) | Nokia | 22.865 pCR: Updates in use case 5.4 to highlight S&F mode | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) | This contribution proposes updates of use case 5.4 in FS\_5GSAT\_Ph3 TR. |  | Agreed |
| 23 | 7.7 | [**S1-231119**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231119.zip) | CMCC | pCR on updating service requirements for clause 5.6 | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) | This document aims to correctly handle the ongoing communication services via satellites without going through the ground network once the feeder link is unavailable |  | Revised to S1-231677 |
| 24 | 7.7 | **S1-231677** | CMCC | pCR on updating service requirements for clause 5.6 | pCR | **22.865** |  |  |  | 1.0.0 | **Rel-19** | **FS\_5GSAT\_Ph3** | Replaces S1-231119 | Revision of S1-231119. | Revised to S1-231566 |
| 25 | 7.7 | **S1-231566** | CMCC | pCR on updating service requirements for clause 5.6 |  |  |  |  |  |  |  |  |  | Revision of S1-231119. Revision of S1-231677. | Revised to S1-231700 |
| 26 | 7.7 | S1-231070 | China Telecommunications | Discussion about Consolidation on Potential Requirements of satellite access phase3 | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) |  |  | Withdrawn |
| 26 | 7.7 | **S1-231700** | CMCC | pCR on updating service requirements for clause 5.6 |  |  |  |  |  |  |  |  |  | Revision of S1-231119. Revision of S1-231677. Revision of S1-231566. Subject to regulatory requirements and operator policies Remove parenthesis around temporarily | Agreed |
| 27 | 7.7 | [**S1-231141**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231141.zip) | CATT | pCR on Updates of 5.10 Vehicle Fleet Management | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.3.0 | [**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 S1-231567 |
| 28 | 7.7 | **S1-231567** | CATT | pCR on Updates of 5.10 Vehicle Fleet Management |  |  |  |  |  |  |  |  |  | Revision of S1-231141. | Revised to S1-231701 |
| 29 | 7.7 | **S1-231701** | CATT | pCR on Updates of 5.10 Vehicle Fleet Management |  |  |  |  |  |  |  |  |  | Revision of S1-231141. Revision of S1-231567. | Revised to S1-231724 |
| 30 | 7.7 | **S1-231724** | CATT | pCR on Updates of 5.10 Vehicle Fleet Management |  |  |  |  |  |  |  |  | Replaces S1-231701 | Revision of S1-231141. Revision of S1-231567. Revision of S1-231701. | Revised to S1-231740 |
| 31 | 7.7 | **S1-231740** | CATT | pCR on Updates of 5.10 Vehicle Fleet Management |  |  |  |  |  |  |  |  | Replaces S1-231724 | Revision of S1-231141. Revision of S1-231567. Revision of S1-231701. Revision of S1-231724. | Agreed |
| 32 | 7.7 | [**S1-231142**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231142.zip) | CATT | pCR on Updates of 5.13 Enhanced Positioning Service | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.3.0 | [**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 S1-231572 |
| 33 | 7.7 | **S1-231572** | CATT | pCR on Updates of 5.13 Enhanced Positioning Service |  |  |  |  |  |  |  |  |  | Revision of S1-231142. | Revised to S1-231573 |
| 34 | 7.7 | **S1-231573** | CATT | pCR on Updates of 5.13 Enhanced Positioning Service |  |  |  |  |  |  |  |  |  | Revision of S1-231142. Revision of S1-231572. Subject to regulatory requirements at the start and remove dash from kilometers | Revised to S1-231722 |
| 35 | 7.7 | **S1-231722** | CATT | pCR on Updates of 5.13 Enhanced Positioning Service |  |  |  |  |  |  |  |  | Replaces S1-231573 | To add a supporting company | Agreed |
| 36 | 7.7 | [**S1-231121**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231121.zip) | ETRI, Novamint, Lockheed Martin | Pseudo-CR on update of clause 5.14 Use case on service continuity for UE-to-UE communication between satellites | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) | This document provides a text proposal to TR 22.865 to update the use case on “service continuity for UE-to-UE communication between satellites” including the potential requirements. |  | Agreed |
| 37 | 7.7 | [**S1-231122**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231122.zip) | ETRI, Novamint, Lockheed Martin | Pseudo-CR on update of clause 5.15 Use case on service continuity for UE-to-UE communication in case of mobility between satellite and terrestrial network | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) | This document provides a text proposal to TR 22.865 to update the use case on “service continuity for UE-to-UE communication in case of mobility between satellite and terrestrial network” including the potential requirements. |  | Noted |
| 38 | 7.7 | [**S1-231235**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231235.zip) | Xiaomi | Updating the PR in the use case on store and forward – emergency report | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) | It is proposed to update the PR in the use case on store and forward – emergency report. |  | Revised to S1-231574 |
| 39 | 7.7 | [**S1-231072**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231072.zip) | China Telecommunications | Consolidated PR of satellite access phase3 | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) |  |  | Merged into S1-231383 |
| 39 | 7.7 | **S1-231574** | Xiaomi | Updating the PR in the use case on store and forward emergency report |  |  |  |  |  |  |  |  |  | Revision of S1-231235. First requirement is removed. But with the understanding that this topic can be rediscussed in August. Second requirement: may -> is expected to | Agreed |
| 40 | 7.7 | [**S1-231086**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231086.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | Consolidation proposal for TR 22.865 | discussion | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  |  |  |  |  | Merged with S1-231071 and S1-231223 | Revised to S1-231382 |
| 41 | 7.7 | [**S1-231071**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231071.zip) | China Telecommunications | Discussion about Consolidation on Potential Requirements of satellite access phase3 | discussion | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Merged into S1-231382 |
| 41 | 7.7 | **S1-231382** | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | Consolidation proposal for TR 22.865 | discussion | **22.865** |  |  |  |  |  |  | Replaces S1-231086 | Revision of S1-231086 merge of S1-231071 and S1-231223. | Noted |
| 42 | 7.7 | [**S1-231087**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231087.zip) | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) |  | Merged with S1-231072 and S1-231224 | Revised to S1-231383 |
| 43 | 7.7 | **S1-231383** | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 | pCR | **22.865** |  |  |  | 1.0.0 | **Rel-19** | **FS\_5GSAT\_Ph3** | Replaces S1-231087 | Revision of S1-231087 merge of S1-231072 and S1-231224 | Revised to S1-231568 |
| 44 | 7.7 | **S1-231568** | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 |  |  |  |  |  |  |  |  |  | Revision of S1-231087 merge of S1-231072 and S1-231224 Revision of S1-231383. | Revised to S1-231702 |
| 45 | 7.7 | **S1-231702** | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 |  |  |  |  |  |  |  |  |  | Revision of S1-231087 merge of S1-231072 and S1-231224 Revision of S1-231383. Revision of S1-231568. Remove integrity protection and confidentiality Change title of 6.5 into Other aspects and align other similar text. | Agreed |
| 46 | 7.7 | **S1-231569** | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 for discussion |  |  |  |  |  |  |  |  |  | Revision of S1-231087 merge of S1-231072 and S1-231224 Revision of S1-231383. | Revised to S1-231704 |
| 47 | 7.7 | **S1-231704** | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 for discussion |  |  |  |  |  |  |  |  |  | Revision of S1-231087 merge of S1-231072 and S1-231224 Revision of S1-231383. Revision of S1-231569. | Revised to S1-231737 |
| 47r | 7.7 | **S1-231737** | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 for discussion |  |  |  |  |  |  |  |  | Replaces S1-231704 |  | Agreed |
| 48 | 7.7 | **S1-231570** | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 for next meeting |  |  |  |  |  |  |  |  |  | Revision of S1-231087 merge of S1-231072 and S1-231224 Revision of S1-231383. | Revised to S1-231703 |
| 49 | 7.7 | **S1-231703** | NOVAMINT, Huawei, ETRI, Nokia, Gatehouse, China Telecom | consolidated requirements for TR 22.865 for next meeting |  |  |  |  |  |  |  |  |  | Revision of S1-231087 merge of S1-231072 and S1-231224 Revision of S1-231383. Revision of S1-231570. Rapporteur to incorporate the new PRs. Then this is a collection of PRs to be discussed for consolidation next meeting. | Noted |
| 50 | 7.7 | [**S1-231223**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231223.zip) | CATT | Discussion on Consolidated requirements of FS\_5GSAT\_Ph3 | discussion | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  |  | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Merged into S1-231382 |
| 51 | 7.7 | [**S1-231224**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231224.zip) | CATT | pCR on Consolidated Requirements | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.3.0 | [**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) |  |  | Merged into S1-231383 |
| 52 | 7.7 | [**S1-231088**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231088.zip) | NOVAMINT, Nokia, China Telecom, Huawei | conclusions for TR 22.865 | pCR | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) |  |  | Agreed |
| 01 | 7.7.1 | [**S1-231302**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231302.zip) | NOVAMINT | TR 22865 Cover page for approval | TS or TR cover | [**22.865**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 1.0.0 | [**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) |  |  | Agreed |
| 02 | 7.7.1 | **S1-231339** | Rapporteur (NOVAMINT) | TR 22.865v1.1..0 Study on Satellite Access Phase 3 |  |  |  |  |  |  |  |  |  | No presentation | Agreed |
| 03 | 7.8 | [**S1-231258**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231258.zip) | China Mobile Com. Corporation | pCR on Abbreviations section | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  |  | Agreed |
| 04 | 7.8 | [**S1-231259**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231259.zip) | China Mobile Com. Corporation | pCR FS-UAV-Ph3\_Overview section | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  |  | Revised to S1-231607 |
| 05 | 7.8 | **S1-231607** | China Mobile | pCR FS-UAV-Ph3\_Overview section | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  | Revision of S1-231259. | Revised to S1-231762 |
| 05r | 7.8 | **S1-231762** | China Mobile | pCR FS-UAV-Ph3\_Overview section | pCR | **22.843** |  |  |  | 1.0.0 | **Rel-19** | **FS\_UAV\_Ph3** | Replaces S1-231607 |  | Agreed |
| 06 | 7.8 | [**S1-231276**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231276.zip) | Huawei | Pseudo-CR on quality improvements to FS\_UAV\_ph3 TR 22.843 | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) | This is a quality improvement CR for TR 22.843 v1.0.0 which implements the 3GPP specification drafting rules and improves the use of language. |  | Revised to S1-231608 |
| 07 | 7.8 | **S1-231608** | Huawei | Pseudo-CR on quality improvements to FS\_UAV\_ph3 TR 22.843 | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  | Revision of S1-231276. | Agreed |
| 09 | 7.8 | [**S1-231196**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231196.zip) | Qualcomm | New use case on Multi-PLMN use case: alternative NWs | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  |  | Revised to S1-231358 |
| 10 | 7.8 | **S1-231358** | Qualcomm | New use case on Multi-PLMN use case: alternative NWs | pCR | **22.843** |  |  |  | 1.0.0 | **Rel-19** | **FS\_UAV\_Ph3** | Replaces S1-231196 | Revision of S1-231196. | Revised to S1-231609 |
| 11 | 7.8 | **S1-231609** | Qualcomm | New use case on Multi-PLMN use case: alternative NWs | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  | Revision of S1-231196. Revision of S1-231358. | Revised to S1-231638 |
| 12 | 7.8 | **S1-231638** | Qualcomm | New use case on Multi-PLMN use case: alternative NWs | pCR | **22.843** |  |  |  | 1.0.0 | **Rel-19** | **FS\_UAV\_Ph3** | Replaces S1-231609 | Revision of S1-231196. Revision of S1-231358. Revision of S1-231609. Delete UAV is capable of dual radio operation (e.g. NR plus LTE) from preconditions. | Agreed |
| 13 | 7.8 | [**S1-231197**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231197.zip) | Qualcomm | New use case on Multi-PLMN use case: concurrent NWs | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  |  | Revised to S1-231359 |
| 14 | 7.8 | **S1-231359** | Qualcomm | New use case on Multi-PLMN use case: concurrent NWs | pCR | **22.843** |  |  |  | 1.0.0 | **Rel-19** | **FS\_UAV\_Ph3** | Replaces S1-231197 | Revision of S1-231197. | Revised to S1-231610 |
| 15 | 7.8 | **S1-231610** | Qualcomm | New use case on Multi-PLMN use case: concurrent NWs | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  | Revision of S1-231197. Revision of S1-231359. | Agreed |
| 16 | 7.8 | [**S1-231198**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231198.zip) | Qualcomm | New use case on UAV aerial fly zones | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  |  | Revised to S1-231611 |
| 17 | 7.8 | **S1-231611** | Qualcomm | New use case on UAV aerial fly zones | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  | Revision of S1-231198. | Agreed |
| 18 | 7.8 | [**S1-231257**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231257.zip) | China Mobile Com. Corporation | pCR on use case on network-assisted UAV DAA | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  |  | Revised to S1-231612 |
| 19 | 7.8 | **S1-231612** | China Mobile | pCR on use case on network-assisted UAV DAA | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  | Revision of S1-231257. | Revised to S1-231622 |
| 20 | 7.8 | **S1-231622** | China Mobile | pCR on use case on network-assisted UAV DAA | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  | Revision of S1-231257. Revision of S1-231612. | Agreed |
| 22 | 7.8 | [**S1-231256**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231256.zip) | China Mobile Com. Corporation | pCR on use case for Geofencing for Visual Line-of-Sight UAV missions | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  |  | Revised to S1-231613 |
| 23 | 7.8 | **S1-231613** | China Mobile | pCR on use case for Geofencing for Visual Line-of-Sight UAV missions | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  | Revision of S1-231256.  Withdrawn by the author | Noted |
| 24 | 7.8 | [**S1-231199**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231199.zip) | Qualcomm | Update to use case 5.4 | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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 into S1-231612 |
| 25 | 7.8 | [**S1-231231**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231231.zip) | Deutsche Telekom, Nokia, Futurewei, InterDigital | pCR on updating use case 5.2 Supporting UAV flight preparation | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 0.2.0 | [**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) | This is a proposal to clarify further the 5GS part in the process of UAV flight preparation. |  | Revised to S1-231617 |
| 26 | 7.8 | **S1-231617** | Deutsche Telekom, Nokia, Futurewei, InterDigital | pCR on updating use case 5.2 Supporting UAV flight preparation | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  | Revision of S1-231231. | Agreed |
| 27 | 7.8 | [**S1-231243**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231243.zip) | Orange | Potential new requirements for Geofencing for Visual Line-of-Sight UAV missions | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) | Adds missing requirements in clause 5.3.6. |  | Revised to S1-231614 |
| 28 | 7.8 | **S1-231614** | Orange | Potential new requirements for Geofencing for Visual Line-of-Sight UAV missions | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  | Revision of S1-231243. | Agreed |
| 30 | 7.8 | [**S1-231261**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231261.zip) | China Mobile Com. Corporation, Nokia | pCR on consolidated requirements for UAV Phase 3 | pCR | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  |  | Revised to S1-231381 |
| 31 | 7.8 | **S1-231381** | China Mobile Com. Corporation, Nokia | pCR on consolidated requirements for UAV Phase 3 | pCR | **22.843** |  |  |  | 1.0.0 | **Rel-19** | **FS\_UAV\_Ph3** | Replaces S1-231261 | Revision of S1-231261. | Revised to S1-231615 |
| 32 | 7.8 | **S1-231615** | China Mobile | pCR on consolidated requirements for UAV Phase 3 |  |  |  |  |  |  |  |  |  | Revision of S1-231261. Revision of S1-231381. | Revised to S1-231618 |
| 33 | 7.8 | **S1-231618** | China Mobile | pCR on consolidated requirements for UAV Phase 3 |  |  |  |  |  |  |  |  |  | Revision of S1-231261. Revision of S1-231381. Revision of S1-231615. | Revised to S1-231624 |
| 34 | 7.8 | **S1-231624** | China Mobile | pCR on consolidated requirements for UAV Phase 3 |  |  |  |  |  |  |  |  | Replaces S1-231618 | Revision of S1-231261. Revision of S1-231381. Revision of S1-231615. Revision of S1-231618. | Revised to S1-231639 |
| 35 | 7.8 | **S1-231639** | China Mobile | pCR on consolidated requirements for UAV Phase 3 |  |  |  |  |  |  |  |  | Replaces S1-231624 | Was agreed | Revised to S1-231773 |
| 36 | 7.8 | **S1-231773** | China Mobile | pCR on consolidated requirements for UAV Phase 3 |  |  |  |  |  |  |  |  | Replaces S1-231639 | Revision of S1-231261. Revision of S1-231381. Revision of S1-231615. Revision of S1-231618. Revision of S1-231624. Revision of S1-231639. | Agreed |
| 01 | 7.8.1 | [**S1-231262**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231262.zip) | China Mobile Com. Corporation | TR 22.843 coversheet for SA approval | TS or TR cover | [**22.843**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 1.0.0 | [**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) |  | there was two versions of this document: one uploaded before the meeting in the docs folder and one in the local inbox. | Revised to S1-231798 |
| 01r | 7.8.1 | **S1-231798** | China Mobile Com. Corporation | TR 22.843 coversheet for SA approval | TS or TR cover | **22.843** |  |  |  | 1.0.0 | **Rel-19** | **FS\_UAV\_Ph3** | Replaces S1-231262 | This is to replace the version that was put in the inbox | Revised to S1-231799 |
| 01rr | 7.8.1 | **S1-231799** | China Mobile Com. Corporation | TR 22.843 coversheet for SA approval | TS or TR cover | **22.843** |  |  |  | 1.0.0 | **Rel-19** | **FS\_UAV\_Ph3** | Replaces S1-231798 |  | Agreed. |
| 02 | 7.8.1 | **S1-231347** | Rapporteur (China Mobile) | TR 22.843v1.1.0 Study on UAV Phase 3 |  |  |  |  |  |  |  |  |  | Rapporteur to send the draft by Tuesday 20May, 23 UTC, comments until Thursday 1st, final version by Friday 2nd. | Agreed |
| 03 | 7.9 | [**S1-231189**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231189.zip) | Qualcomm Tech. Netherlands B.V | TR updates and clean-up | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**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 S1-231600 |
| 04 | 7.9 | **S1-231600** | Qualcomm | TR updates and clean-up | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | Revision of S1-231189. | Revised to S1-231620 |
| 05 | 7.9 | **S1-231620** | Qualcomm | TR updates and clean-up | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | Revision of S1-231189. Revision of S1-231600. | Agreed |
| 06 | 7.9 | [**S1-231152**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231152.zip) | vivo | Clarification on RAN impact of dual steering | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**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 S1-231601 |
| 07 | 7.9 | **S1-231601** | vivo | Clarification on RAN impact of dual steering | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | Revision of S1-231152. | Noted |
| 09 | 7.9 | [**S1-231017**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231017.zip) | THALES | Use Case on supplementary downlink data via a second 3GPP network | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**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 S1-231602 |
| 10 | 7.9 | **S1-231602** | THALES | Use Case on supplementary downlink data via a second 3GPP network | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | Revision of S1-231017.  Novamint emphasized the importance of this use case for the satellite industry.  Huawei has several concerns on the understanding and the consistency, and invite the cosigners to work with Huawei.  China Telecom supports. | Revised to S1-231706 |
| 11 | 7.9 | **S1-231706** | THALES | Use Case on supplementary downlink data via a second 3GPP network |  |  |  |  |  |  |  |  | Replaces S1-231602 | Revision of S1-231017. Revision of S1-231602. | Revised to S1-231800 |
| 11r | 7.9 | **S1-231800** | THALES | Use Case on supplementary downlink data via a second 3GPP network |  |  |  |  |  |  |  |  | Replaces S1-231706 | The objecting companies (Huawei): "the picture is technically wrong about the concept and at the same time the proposed service flow and use case description do not seem to justify the potential requirement."  The supporting companies: changes have already been made against similar earlier comments. They want to propose again this use case at the next meeting.  Rapporteur agree that this use case can be brought again at the next meeting.  Qualcomm: 1487 (rev 1788), 1456 , 1744 (rev to 1766) and 1493 are objected by Qualcomm and Ericsson  Qualcomm: reason for objection is that they think more time is needed until August  See more in 1456 | Noted |
| 12 | 7.9 | [**S1-231175**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231175.zip) | NEC | Use Case on traffic duplication for a set of devices | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**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 S1-231603 |
| 13 | 7.9 | **S1-231603** | NEC | Use Case on traffic duplication for a set of devices | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | Revision of S1-231175.  Huawei think that this is outside the scope.  For Ericsson, this is an essential functionality, providing added value to the service.  Qualcomm, Lenovo, Nokia: this is indeed in scope and valuable.  Huawei: there is no justification for this scenario.  NEC: this is a very general negative comment that could be applied to several other use cases.  Huawei: the link between the requirements and the use case is too weak.  Ericsson: this would cover cases e.g. for power outage. It is extremely valuable.  Huawei: this is an SA2 discussion.  Show of hands:  support: 7 companies  against: 1 company | Revised to S1-231751 |
| 14 | 7.9 | **S1-231751** | NEC | Use Case on traffic duplication for a set of devices | pCR | **22.841** |  |  |  | 1.0.0 | **Rel-19** | **FS\_DualSteer** | Replaces S1-231603 | Revision of S1-231175. Revision of S1-231603. | Revised to S1-231768 |
| 15 | 7.9 | **S1-231768** | NEC | Use Case on traffic duplication for a set of devices | pCR | **22.841** |  |  |  | 1.0.0 | **Rel-19** | **FS\_DualSteer** | Replaces S1-231751 | Revision of S1-231175. Revision of S1-231603. Revision of S1-231751.  5.x.6: Huawei: "duplicated" should not be used. Ericsson, Nokia: it can.  supporint: 7 companies (including NEC, Ericsson, Nokia)  against: 1 (Huawei) | Noted |
| 17 | 7.9 | [**S1-231187**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231187.zip) | Qualcomm | Consolidation discussion and proposal | other |  |  |  |  |  | [**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 S1-231356 |
| 18 | 7.9 | **S1-231356** | Qualcomm | Consolidation discussion and proposal | other |  |  |  |  |  | **Rel-19** | **FS\_DualSteer** | Replaces S1-231187 | Revision of S1-231187. | Noted |
| 19 | 7.9 | [**S1-231188**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231188.zip) | Qualcomm | pCR on Consolidated potential requirements | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**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 S1-231604 |
| 20 | 7.9 | **S1-231604** | Qualcomm | pCR on Consolidated potential requirements | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | Revision of S1-231188. | Revised to S1-231621 |
| 21 | 7.9 | **S1-231621** | Qualcomm | pCR on Consolidated potential requirements | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | Revision of S1-231188. Revision of S1-231604.  Huawei: the consolidation process was lacking transparency and Huawei was not consulted. Some requirements are very long, with several notes, etc. The consolidated requirements use words not appearing in the original requirements.  Qualcomm: a first version was presented in February and very few changes were introduced. This contribution was submitted on time, and it was even shared ahead of the deadline. No concrete comment was received from Huawei.  ZTE: partially support Huawei in the sense that more discussions are needed, starting within the DualSteer community.  Orange: the requirements are quite long, and companies need more time to digest them  NEC: support this contribution. DualSteer is quite late already.  Huawei: there was no (or very few) conference calls on this topic, compared to other topics.  Chair: the chair will organise calls on DualSteer as needed.  Motorola, Ericsson: conference calls are just extra tools, what count are the official meetings. This cannot be used as an excuse to reject material.  LG: partially support Huawei in the sense that efforts should be maximise to reach the goal, which is to provide the work on time. | Revised to S1-231707 |
| 22 | 7.9 | **S1-231707** | Qualcomm | pCR on Consolidated potential requirements | pCR | **22.841** |  |  |  | 1.0.0 | **Rel-19** | **FS\_DualSteer** | Replaces S1-231621 | Revision of S1-231188. Revision of S1-231604. Revision of S1-231621.  Only the green part is to be kept.  Huawei: we can simplify more the green text.  Was Revised to S1-231769 | Noted |
| 23 | 7.9 | **S1-231769** | Qualcomm | pCR on Consolidated potential requirements | pCR | **22.841** |  |  |  | 1.0.0 | **Rel-19** | **FS\_DualSteer** | Replaces S1-231707 | Revision of S1-231188. Revision of S1-231604. Revision of S1-231621. Revision of S1-231707. | Withdrawn |
| 24 | 7.9 | [**S1-231190**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231190.zip) | Qualcomm | TR conclusions | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**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 S1-231606 |
| 25 | 7.9 | **S1-231606** | Qualcomm | TR conclusions |  |  |  |  |  |  |  |  |  | Revision of S1-231190. | Agreed |
| 26 | 7.9 | [**S1-231051**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231051.zip) | NEC | Use Case on traffic duplication for a set of devices | pCR | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  |  | Withdrawn |
| 01 | 7.9.1 | [**S1-231192**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231192.zip) | Qualcomm | TR Cover page\_for approval | TS or TR cover | [**22.841**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_DualSteer**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | "full consolidations" to be replaced by "partial consolidation" | Revised to S1-231801 |
| 01r | 7.9.1 | **S1-231801** | Qualcomm | TR Cover page\_for approval | TS or TR cover | **22.841** |  |  |  | 1.0.0 | **Rel-19** | **FS\_DualSteer** | Replaces S1-231192 | not ready for approval at this meeting | Noted |
| 02 | 7.9.1 | **S1-231340** | Rapporteur (Qualcomm) | TR 22.841v1.1.0 Study on Upper layer traffic steering, switching and split over dual 3GPP access |  |  |  |  |  |  |  |  |  | Rapporteur to send the draft by Tuesday 20May, 23 UTC, comments until Thursday 1st, final version by Friday 2nd. | Agreed |
| 03 | 7.10 | [**S1-231277**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231277.zip) | Huawei | Pseudo-CR on quality improvements to FS\_EnergyServ TR 22.882 | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) | This is a quality improvement CR for TR 22.882 v1.0.0 which implements the 3GPP specification drafting rules and improves the use of language. |  | Agreed |
| 04 | 7.10 | [**S1-231129**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231129.zip) | China Mobile | pCR on clean-up of TR 22.882 | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 0.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Revised to S1-231531 |
| 05 | 7.10 | **S1-231531** | China Mobile | pCR on clean-up of TR 22.882 |  |  |  |  |  |  |  |  |  | Revision of S1-231129. | Agreed |
| 07 | 7.10 | [**S1-231127**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231127.zip) | China Mobile | pCR on resolving EN in 5.6 Use case on supporting service-level energy efficiency analysis for verticals | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 0.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Revised to S1-231532 |
| 08 | 7.10 | **S1-231532** | China Mobile | pCR on resolving EN in 5.6 Use case on supporting service-level energy efficiency analysis for verticals |  |  |  |  |  |  |  |  |  | Revision of S1-231127. Remove | Agreed |
| 09 | 7.10 | [**S1-231069**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231069.zip) | Rakuten Mobile, Inc | pCR on resolving EN in 5.9 Use case on Renewable Energy usage information exposure for TR 22.882 | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) | This pCR is introduced to resolve Editor Note in [PR.5.9.6-1] in Use case on Renewable Energy usage information exposure |  | Revised to S1-231530 |
| 10 | 7.10 | **S1-231530** | Rakuten Mobile, Inc | pCR on resolving EN in 5.9 Use case on Renewable Energy usage information exposure for TR 22.882 |  |  |  |  |  |  |  |  |  | Revision of S1-231069. | Revised to S1-231550 |
| 11 | 7.10 | **S1-231550** | Rakuten Mobile, Inc | pCR on resolving EN in 5.9 Use case on Renewable Energy usage information exposure for TR 22.882 |  |  |  |  |  |  |  |  | Replaces S1-231530 | Revision of S1-231069. Revision of S1-231530. [PR.5.9.6-1] Subject to operator s policy, the 5G system shall enable the operation of a dedicated network above a minimum ratio of renewable energy as requested by an authorized 3rd party. | Agreed |
| 12 | 7.10 | [**S1-231155**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231155.zip) | ZTE | pCR to resolve the EN in clause 5.7 | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) | This proposal to add some description to resolve the EN in clause 5.7 |  | Revised to S1-231533 |
| 13 | 7.10 | **S1-231533** | ZTE | pCR to resolve the EN in clause 5.7 |  |  |  |  |  |  |  |  |  | Revision of S1-231155. | Agreed |
| 14 | 7.10 | [**S1-231179**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231179.zip) | Nokia, Nokia Shanghai Bell | Pseudo-CR on aligning energy-related terminology | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Agreed |
| 15 | 7.10 | [**S1-231180**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231180.zip) | Nokia, Nokia Shanghai Bell | Pseudo-CR on adding reference to carbon-emission calculations | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Agreed |
| 16 | 7.10 | [**S1-231216**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231216.zip) | Lenovo | pCR on resolving EN in 5.8 | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) | pCR on resolving EN in 5.8 Use case on application EE monitoring |  | Revised to S1-231534 |
| 17 | 7.10 | **S1-231534** | Lenovo | pCR on resolving EN in 5.8 |  |  |  |  |  |  |  |  |  | Revision of S1-231216. | Revised to S1-231551 |
| 18 | 7.10 | **S1-231551** | Lenovo | pCR on resolving EN in 5.8 |  |  |  |  |  |  |  |  | Replaces S1-231534 | "the" missing in front of "5G system" | Revised to S1-231770 |
| 19 | 7.10 | **S1-231770** | Lenovo | pCR on resolving EN in 5.8 |  |  |  |  |  |  |  |  | Replaces S1-231551 | Revision of S1-231216. Revision of S1-231534. Revision of S1-231551. the 5G system | Agreed |
| 21 | 7.10 | [**S1-231067**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231067.zip) | AsiaInfo | Pseudo-CR on Adding the new use case on Energy-Efficient Utilization of 5G Idle Computing Power | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) | This pCR introduces a new use case on Energy-Efficient Utilization of 5G Idle Computing Power. |  | Revised to S1-231538 |
| 22 | 7.10 | **S1-231538** | AsiaInfo | Pseudo-CR on Adding the new use case on Energy-Efficient Utilization of 5G Idle Computing Power |  |  |  |  |  |  |  |  |  | Revision of S1-231067.  Merged with 1534 in 1551 | Merged into S1-231551 |
| 23 | 7.10 | [**S1-231110**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231110.zip) | SK Telecom, LG Uplus, Rakuten, ETRI, KT, Nokia, Nokia Shanghai Bell, NTT DOCOMO | Use case on energy as service criteria for 5G environment adaptation | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Revised to S1-231539 |
| 24 | 7.10 | **S1-231539** | SK Telecom, LG Uplus, Rakuten, ETRI, KT, Nokia, Nokia Shanghai Bell, NTT DOCOMO | Use case on energy as service criteria for 5G environment adaptation |  |  |  |  |  |  |  |  |  | Revision of S1-231110. | Revised to S1-231552 |
| 25 | 7.10 | **S1-231552** | SK Telecom, LG Uplus, Rakuten, ETRI, KT, Nokia, Nokia Shanghai Bell, NTT DOCOMO | Use case on energy as service criteria for 5G environment adaptation |  |  |  |  |  |  |  |  | Replaces S1-231539 | Revision of S1-231110. Revision of S1-231539. [PR 5.x.6.1] Subject to operator policy and regulatory requirements, the 5G system shall be able to provide a mechanism for one or more network functions to operate based on energy consumption to meet various end-user s service requirements. [PR 5.x.6.2] Subject to operator policy and regulatory requirements, the 5G system shall be able to provide means to coordinate the operation of individual network functions to target optimization of energy consumption within the 5G network. | Agreed |
| 26 | 7.10 | [**S1-231181**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231181.zip) | Nokia, Nokia Shanghai Bell | New UC on pooling coverage layers for EE | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Revised to S1-231540 |
| 27 | 7.10 | **S1-231540** | Nokia, Nokia Shanghai Bell | New UC on pooling coverage layers for EE | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | Revision of S1-231181. | Agreed |
| 28 | 7.10 | [**S1-231210**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231210.zip) | MediaTek Beijing Inc. | Use Case on Reducing GHG Footprint of Application Services | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Revised to S1-231541 |
| 29 | 7.10 | **S1-231541** | MediaTek | Use Case on Reducing GHG Footprint of Application Services | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | Revision of S1-231210. | Revised to S1-231553 |
| 30 | 7.10 | **S1-231553** | MediaTek | Use Case on Reducing GHG Footprint of Application Services | pCR | **22.882** |  |  |  | 1.0.0 | **Rel-19** | **FS\_EnergyServ** | Replaces S1-231541 | Revision of S1-231210. Revision of S1-231541. | Agreed |
| 31 | 7.10 | [**S1-231211**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231211.zip) | MediaTek Beijing Inc. | Use case on communication service with carbon-aware service requirements | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Revised to S1-231542 |
| 32 | 7.10 | **S1-231542** | MediaTek | Use case on communication service with carbon-aware service requirements | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | Revision of S1-231211. | Revised to S1-231554 |
| 33 | 7.10 | **S1-231554** | MediaTek | Use case on communication service with carbon-aware service requirements | pCR | **22.882** |  |  |  | 1.0.0 | **Rel-19** | **FS\_EnergyServ** | Replaces S1-231542 | Changes on changes  "and" -> "concerning" in the req. | Revised to S1-231771 |
| 34 | 7.10 | **S1-231771** | MediaTek | Use case on communication service with carbon-aware service requirements | pCR | **22.882** |  |  |  | 1.0.0 | **Rel-19** | **FS\_EnergyServ** | Replaces S1-231554 | Revision of S1-231211. Revision of S1-231542. Revision of S1-231554. Clean the tdoc (no changes on changes). Fix editorial. And the requirement reads as [PR 5.x.6-1] Subject to user consent and operator policy, the 5G system shall be able to provide means to adapt a communication service to fulfil the subscriber s preference concerning the ratio of renewable energy used for providing the service. | Agreed |
| 35 | 7.10 | [**S1-231212**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231212.zip) | MediaTek Beijing Inc. | Use case on communication service with best-effort renewable energy usage | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Revised to S1-231543 |
| 36 | 7.10 | **S1-231543** | MediaTek | Use case on communication service with best-effort renewable energy usage | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | Revision of S1-231212. | Agreed |
| 38 | 7.10 | [**S1-231128**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231128.zip) | China Mobile, Samsung | Consolidation requirements of FS\_EnergyServ | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 0.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Revised to S1-231440 |
| 39 | 7.10 | **S1-231440** | China Mobile, Samsung | Consolidation requirements of FS\_EnergyServ | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | Revision of S1-231128. | Revised to S1-231544 |
| 40 | 7.10 | **S1-231544** | China Mobile, Samsung | Consolidation requirements of FS\_EnergyServ | pCR | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 1.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | Revision of S1-231128. Revision of S1-231440. | Revised to S1-231555 |
| 41 | 7.10 | **S1-231555** | China Mobile, Samsung | Consolidation requirements of FS\_EnergyServ | pCR | **22.882** |  |  |  | 1.0.0 | **Rel-19** | **FS\_EnergyServ** | Replaces S1-231544 | Editor's note not needed.  All the text is new. | Revised to S1-231772 |
| 42 | 7.10 | **S1-231772** | China Mobile, Samsung | Consolidation requirements of FS\_EnergyServ | pCR | **22.882** |  |  |  | 1.0.0 | **Rel-19** | **FS\_EnergyServ** | Replaces S1-231555 | Revision of S1-231128. Revision of S1-231440. elements and network functions. Revision of S1-231544. Revision of S1-231555. Remove the 2 editors. No colors. And all seen as new text. | Agreed |
| 01 | 7.10.1 | [**S1-231130**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231130.zip) | China Mobile | TR 22.882 coversheet for SA approval | TS or TR cover | [**22.882**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 0.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_EnergyServ**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Revised to S1-231745 |
| 02 | 7.10.1 | **S1-231745** | China Mobile | TR 22.882 coversheet for SA approval | TS or TR cover | **22.882** |  |  |  | 0.3.0 | **Rel-19** | **FS\_EnergyServ** | Replaces S1-231130 | outstanding issues: just put "finalise consolidation"  changes: more use cases have been added too.  The chair reminded that "sent for approval" means 80%, not 100%. But if quite a few use cases are still expected, then it should not be sent for approval. But it seems not to be the case. Mostly consolidation seems to be needed. | Revised to S1-231774 |
| 03 | 7.10.1 | **S1-231774** | China Mobile | TR 22.882 coversheet for SA approval | TS or TR cover | **22.882** |  |  |  | 0.3.0 | **Rel-19** | **FS\_EnergyServ** | Replaces S1-231745 | Revision of S1-231130. Revision of S1-231745. | Agreed |
| 04 | 7.10.1 | **S1-231341** | Rapporteur (China Mobile) | TR 22.882v1.1.0 Study on Energy Efficiency as service criteria |  |  |  |  |  |  |  |  |  | Rapporteur to send the draft by Tuesday 20May, 23 UTC, comments until Thursday 1st, final version by Friday 2nd. | Agreed |
| 03 | 7.11 | [**S1-231278**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231278.zip) | Huawei | Pseudo-CR on quality improvements to FS\_SOBOT TR 22.916 | pCR | [**22.916**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_SOBOT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) | Pseudo-CR on quality improvements to FS\_SOBOT TR 22.916 |  | Revised to S1-231535 |
| 04 | 7.11 | **S1-231535** | Huawei | Pseudo-CR on quality improvements to FS\_SOBOT TR 22.916 |  |  |  |  |  |  |  |  |  | Revision of S1-231278. | Agreed |
| 06 | 7.11 | [**S1-231319**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231319.zip) | LG Electronics Inc. | Update on 5.1 Online cooperative high-resolution 3D map building | pCR | [**22.916**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.3.0 | [**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 S1-231536 |
| 07 | 7.11 | **S1-231536** | LG Electronics | Update on 5.1 Online cooperative high-resolution 3D map building |  |  |  |  |  |  |  |  |  | Revision of S1-231319. | Revised to S1-231548 |
| 08 | 7.11 | **S1-231548** | LG Electronics | Update on 5.1 Online cooperative high-resolution 3D map building |  |  |  |  |  |  |  |  |  | Revision of S1-231319. Revision of S1-231536. Removal text and change should to is expected to in CPG4 | Agreed |
| 09 | 7.11 | [**S1-231074**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231074.zip) | vivo | resolve of EN for use case 5.2 | pCR | [**22.916**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.3.0 | [**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 S1-231537 |
| 10 | 7.11 | **S1-231537** | vivo | resolve of EN for use case 5.2 |  |  |  |  |  |  |  |  |  | Revision of S1-231074. | Revised to S1-231549 |
| 11 | 7.11 | **S1-231549** | vivo | resolve of EN for use case 5.2 |  |  |  |  |  |  |  |  |  | Revision of S1-231074. Revision of S1-231537. Add .3 in the index of CPG, add to after belongs in CPG002, change NOTE This requirement to CPG-5.2.3-002. | Agreed |
| 12 | 7.11 | [**S1-231321**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231321.zip) | LG Electronics Inc. | Update on 5.3 Smart Communication Support for Data Collection and Fusion Using Multimodal Sensors in Multi-Robot / Multi-Agent Scenarios | pCR | [**22.916**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.3.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_SOBOT**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) |  | Delete editor's notef1476 | Revised to S1-231802 |
| 12r | 7.11 | **S1-231802** | LG Electronics Inc. | Update on 5.3 Smart Communication Support for Data Collection and Fusion Using Multimodal Sensors in Multi-Robot / Multi-Agent Scenarios | pCR | **22.916** |  |  |  | 0.3.0 | **Rel-19** | **FS\_SOBOT** | Replaces S1-231321 |  | Agreed. |
| 14 | 7.11 | [**S1-231320**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231320.zip) | LG Electronics Inc. | : MEC for Efficient Management of Geo-surface Sensing Data Using a Group of Aerial Robots | pCR | [**22.916**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.3.0 | [**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 S1-231397 |
| 15 | 7.11 | **S1-231397** | LG Electronics Inc. | : MEC for Efficient Management of Geo-surface Sensing Data Using a Group of Aerial Robots | pCR | **22.916** |  |  |  | 0.3.0 | **Rel-19** | **FS\_SOBOT** | Replaces S1-231320 | Revision of S1-231320. | Revised to S1-231546 |
| 16 | 7.11 | **S1-231546** | LG Electronics | MEC for Efficient Management of Geo-surface Sensing Data Using a Group of Aerial Robots | pCR | **22.916** |  |  |  | 0.3.0 | **Rel-19** | **FS\_SOBOT** |  | Revision of S1-231320. Revision of S1-231397. | Revised to S1-231720 |
| 17 | 7.11 | **S1-231720** | LG Electronics | MEC for Efficient Management of Geo-surface Sensing Data Using a Group of Aerial Robots | pCR | **22.916** |  |  |  | 0.3.0 | **Rel-19** | **FS\_SOBOT** | Replaces S1-231546 | Revision of S1-231320. Revision of S1-231397. Revision of S1-231546. | Agreed |
| 18 | 7.11 | [**S1-231221**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231221.zip) | China Telecom | Smart community with service robots | pCR | [**22.916**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.3.0 | [**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 S1-231547 |
| 19 | 7.11 | **S1-231547** | China Telecom | Smart community with service robots | pCR | **22.916** |  |  |  | 0.3.0 | **Rel-19** | **FS\_SOBOT** |  | Revision of S1-231221. | Agreed |
| 01 | 7.11.1 | **S1-231342** | Rapporteur (LGE) | TR 22.916v0.4.0 Study on Network of Service Robots with Ambient Intelligence |  |  |  |  |  |  |  |  |  | Rapporteur to send the draft by Tuesday 20May, 23 UTC, comments until Thursday 1st, final version by Friday 2nd. | Agreed |
| 03 | 7.12 | [**S1-231159**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231159.zip) | NOVAMINT | Work Plan for Interconnect of SNPN | other |  |  |  |  |  |  |  |  |  | Noted |
| 04 | 7.12 | [**S1-231156**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231156.zip) | NOVAMINT | Skeleton for TR 22.848 Interconnect of SNPN | draft TR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_ISN**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990053) |  | No presentation | Pre-agreed |
| 05 | 7.12 | [**S1-231157**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231157.zip) | NOVAMINT | Scope for TR 22.848 | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**FS\_ISN**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990053) |  | No presentation | Pre-agreed |
| 06 | 7.12 | [**S1-231158**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231158.zip) | NOVAMINT | Definitions for TR 22.848 | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**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 S1-231500 |
| 07 | 7.12 | **S1-231500** | NOVAMINT | Definitions for TR 22.848 | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**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 S1-231158. No presentation | Pre-agreed |
| 09 | 7.12 | [**S1-231080**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231080.zip) | Intel, Cisco Systems, Novamint | Use case on Scalable SNPN Interconnect with dynamic connections | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**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 S1-231501 |
| 10 | 7.12 | **S1-231501** | Intel, Cisco Systems, Novamint | Use case on Scalable SNPN Interconnect with dynamic connections | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**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 S1-231080. | Revised to S1-231520 |
| 11 | 7.12 | **S1-231520** | Intel, Cisco Systems, Novamint | Use case on Scalable SNPN Interconnect with dynamic connections | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**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 S1-231080. Revision of S1-231501.  No ":", "Based on configuration" to be further clarified, some points are seen as deployment issues. | Revised to S1-231626 |
| 12 | 7.12 | **S1-231626** | Intel, Cisco Systems, Novamint | Use case on Scalable SNPN Interconnect with dynamic connections | pCR | **22.848** |  |  |  | 0.0.0 | **Rel-19** | **FS\_ISN** | Replaces S1-231520 | Req 4 and 6 are FFS - this is to be clarified in an editor's note | Revised to S1-231775 |
| 13 | 7.12 | **S1-231775** | Intel, Cisco Systems, Novamint | Use case on Scalable SNPN Interconnect with dynamic connections | pCR | **22.848** |  |  |  | 0.0.0 | **Rel-19** | **FS\_ISN** | Replaces S1-231626  Also "may not" replaced by "Might not" | Revision of S1-231080. Revision of S1-231501. Revision of S1-231520. Revision of S1-231626. Req. 4 and 6 are for FFS. And may not to might not | Agreed |
| 14 | 7.12 | [**S1-231105**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231105.zip) | B-Com | Pseudo-CR on interconnection of on-board naval non-public networks | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.1 | [**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 S1-231502 |
| 15 | 7.12 | **S1-231502** | B-Com | Pseudo-CR on interconnection of on-board naval non-public networks | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**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 S1-231105. | Revised to S1-231519 |
| 16 | 7.12 | **S1-231519** | B-Com | Pseudo-CR on interconnection of on-board naval non-public networks | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**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 S1-231105. Revision of S1-231502. | Revised to S1-231628 |
| 17 | 7.12 | **S1-231628** | B-Com | Pseudo-CR on interconnection of on-board naval non-public networks | pCR | **22.848** |  |  |  | 0.0.0 | **Rel-19** | **FS\_ISN** | Replaces S1-231519 | Revision of S1-231105. Revision of S1-231502. Revision of S1-231519. | Agreed |
| 18 | 7.12 | [**S1-231106**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231106.zip) | B-Com | Pseudo-CR on mobility between naval non-public networks | 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) |  |  | Revised to S1-231516 |
| 19 | 7.12 | **S1-231516** | B-Com | Pseudo-CR on mobility between naval non-public networks | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**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 S1-231106. | Revised to S1-231518 |
| 20 | 7.12 | **S1-231518** | B-Com | Pseudo-CR on mobility between naval non-public networks | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**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 S1-231106. Revision of S1-231516. | Revised to S1-231636 |
| 21 | 7.12 | **S1-231636** | B-Com | Pseudo-CR on mobility between naval non-public networks | pCR | **22.848** |  |  |  | 0.0.0 | **Rel-19** | **FS\_ISN** | Replaces S1-231518 | Revision of S1-231106. Revision of S1-231516. Revision of S1-231518. | Agreed |
| 22 | 7.12 | [**S1-231107**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231107.zip) | B-Com | Pseudo-CR on remote driving of trains between maintenance centers and railways stations | 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) |  |  | Noted |
| 23 | 7.12 | [**S1-231108**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231108.zip) | B-Com | Pseudo-CR on European Train Control System (ETCS) and Ground to Train Radio (GTR) service continuity at border crossing | 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) |  |  | Withdrawn |
| 24 | 7.12 | [**S1-231111**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231111.zip) | NEC | pCR on definition of identity provider | 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) |  | The definition will be considered and provided by 1501 (intel) | Noted |
| 25 | 7.12 | [**S1-231112**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231112.zip) | NEC | Interconnectivity between SNPNs | 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) |  |  | Revised to S1-231517 |
| 26 | 7.12 | **S1-231517** | NEC | Interconnectivity between SNPNs | pCR | [**22.848**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4180) |  |  |  | 0.0.0 | [**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 S1-231112.  2nd req to be deleted, clarify some use of interconnectivity | Revised to S1-231637 |
| 27 | 7.12 | **S1-231637** | NEC | Interconnectivity between SNPNs | pCR | **22.848** |  |  |  | 0.0.0 | **Rel-19** | **FS\_ISN** | Replaces S1-231517 | Revision of S1-231112. Revision of S1-231517. Delete second req. Clarify the use of interconnectivy. | Agreed |
| 01 | 7.12.1 | **S1-231343** | Rapporteur (NOVAMINT) | TR 22.848v0.1.0 Study on Interconnect of SNPN |  |  |  |  |  |  |  |  |  | Rapporteur to send the draft by Tuesday 20May, 23 UTC, comments until Thursday 1st, final version by Friday 2nd. | Agreed |
| 01 | 7.13 | [**S1-231131**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231131.zip) | China Mobile | Supporting UE Mobility for XR service | CR | [**22.261**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0687 |  | B | 19.2.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**XRMobility**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=990052) |  | Moved from 4 | Revised to S1-231476 |
| 02 | 7.13 | **S1-231476** | China Mobile | Supporting UE Mobility for XR service | CR | **22.261** | 0687 | 1 | B | 19.2.0 | **Rel-19** | **XRMobility** | Replaces S1-231131 | Moved from 4 Revision of S1-231131.  Postponed to the next meeting. | Noted |
| 03 | 7.13 | [**S1-231264**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231264.zip) | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | MPS for Messaging when access is WLAN | CR | [**22.153**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0061 |  | B | 19.0.0 | [**Rel-19**](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [**MPS4msg**](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=970042) | Addition of explicit requirements on MPS for Messaging when the access is WLAN. | RAN might also be impacted. The wording has to be clearer. | Revised to S1-231627 |
| 04 | 7.13 | **S1-231627** | Peraton Labs, CISA ECD, AT&T, Verizon, T-Mobile US | MPS for Messaging when access is WLAN | CR | **22.153** | 0061 | 1 | B | 19.0.0 | **Rel-19** | **MPS4msg** | Replaces S1-231264 | Revision of S1-231264. | Agreed |
| 05 | 7.13 | [**S1-231305**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_102_Berlin/Docs/S1-231305.zip) | Union Internationale des Chemins de Fer | Notification of updated list of participants of Ad hoc Group Emergency Alert | CR | [**22.280**](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0162 |  | A | 19.1.0 | [**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) | Mirror CR: Notification of updated list of participants of Ad hoc Group Emergency Alert |  | Withdrawn |
| 01 | 10.1 | **S1-231641** | Rapporteur / Session Chair | Sensing drafting report |  |  |  |  |  |  |  |  | All tdocs treated  11 agreed documents  21 still opened | All docs agreed in drafting were agreed in SA1 main.  green => draft agree the req  yellow=> more disc  red=> more disc and low prob to approve (at least at this meeting).  The consolidated req will be covered by 2 tdocs: one for the green, one for yellow and red | Agreed |
| 02 | 10.1 | **S1-231642** | Rapporteur / Session Chair | Ambient IoT drafting report |  |  |  |  |  |  |  |  | All documents discussed  14 tdocs agreed.  18 still opened. | All doc agreed in drafting are agreed in SA1 main. | Agreed |
| 03 | 10.1 | **S1-231643** | Rapporteur / Session Chair | Metaverse drafting report |  |  |  |  |  |  |  |  | - 10 documents agreed  - 1 document merged  - 3 documents noted  - 9 documents still open, including 1 document newly created | All docs agreed in drafting are agreed in Main | Agreed |
| 04 | 10.1 | **S1-231644** | Rapporteur / Session Chair | FRMCS\_Ph5 drafting report |  |  |  |  |  |  |  |  | - For proposal to add Smart Station requirements to 22.989, it was discussed whether they are MCX requirements. It was agreed that the Smart Station requirements would be on FRMCS and not on MCX  - For the draft WID, it was commented that the objectives need to cover the scope clearly and not be open ended | All docs agreed in drafting are agreed in Main | Agreed |
| 05 | 10.1 | **S1-231645** | Rapporteur / Session Chair | NetShare + AIML\_Ph2 drafting report |  |  |  |  |  |  |  |  | Two sessions and all documents treated  5 documents pre-agreed  The rest can’t reach agreement online and offline discussion are needed, so they are revised and still opening for main session.  We have opened and discussed on the WIDs and left for main session. | All docs agreed in drafting are agreed in Main | Agreed |
| 06 | 10.1 | **S1-231646** | Rapporteur / Session Chair | DualSteer + UAV  drafting report |  |  |  |  |  |  |  |  | - All Docs opened  - 5 Agreed (1606, 1258,1608,1622, 1199,1617 - merger of 1612 with 1257)  - 17 Revisions  - 13 Docs remanded to Plenary, 1602, 1603 not resolvable by drafting group, 10 Docs not available (1620, 1621, 1605, 1607, 1609 – 1611,1614, 1618, 1616) | All docs agreed in drafting are agreed in Main | Agreed |
| 07 | 10.1 | **S1-231647** | Rapporteur / Session Chair | Sat5G  drafting report |  |  |  |  |  |  |  |  | - The drafting session discussed the tdocs for FS\_SatPh3 and the WID for the 5GSAT normative work  - 20 tdocs were discussed.  - 14 tdocs were agreed  - 3 tdocs where noted  - 3 tdocs revised but left open for further discussion in plenary (one use case update, a new tdoc with consolidation requirements for further discussions, and the WID  - One new tdoc was created to capture requirements which will be consolidated next meeting. This document was NOTED but is a basis for discussions after this meeting | All docs agreed in drafting are agreed in Main | Agreed |
| 08 | 10.1 | **S1-231648** | Rapporteur / Session Chair | EnergyServ + SOBOT drafting report |  |  |  |  |  |  |  |  | - 8 documents agreed  -14 documents still open | All docs agreed in drafting are agreed in Main | Agreed |
| 09 | 10.1 | **S1-231649** | Rapporteur / Session Chair | ISN drafting report |  |  |  |  |  |  |  |  | Two sessions and all documents treated  - 3 documents pre-agreed 2 documents postponed/withdrawn  o The rest can’t reach agreement online and offline discussion are needed, so they are revised and still opening for main session. | All docs agreed in drafting are agreed in Main | Agreed |
|  | 10.2 | **S1-231803** | Editor (China Mobile) | Status Report for XRMobility |  |  |  |  |  |  |  |  | 50% |  | Noted |
| 01 | 10.2 | **S1-231650** | Deutsche Telekom | FS\_Sensing Status report |  |  |  |  |  |  |  |  | 90% |  | Noted |
| 02 | 10.2 | **S1-231651** | Deutsche Telekom | Sensing Status report |  |  |  |  |  |  |  |  | 0% |  | Noted |
| 03 | 10.2 | **S1-231652** | OPPO | FS\_AmbientIoT Status report |  |  |  |  |  |  |  |  | 90% |  | Noted |
| 04 | 10.2 | **S1-231653** | OPPO | AmbientIoT Status report |  |  |  |  |  |  |  |  | Withdrawn | WID not approved | Withdrawn |
| 05 | 10.2 | **S1-231654** | Samsung | FS\_Metaverse Status report |  |  |  |  |  |  |  |  | 90% |  | Noted |
| 06 | 10.2 | **S1-231655** | Samsung | Metaverse Status report |  |  |  |  |  |  |  |  | 0% |  | Noted |
| 07 | 10.2 | **S1-231656** | China Unicom | FS\_NetShare Status report |  |  |  |  |  |  |  |  | 95% |  | Noted |
| 08 | 10.2 | **S1-231657** | China Unicom | NetShare Status report |  |  |  |  |  |  |  |  | 30% |  | Noted |
| 09 | 10.2 | **S1-231658** | UIC | FS\_FRMCS\_Ph5 Status report |  |  |  |  |  |  |  |  | 80% |  | Noted |
| 10 | 10.2 | **S1-231659** | UIC | FRMCS\_Ph5 Status report |  |  |  |  |  |  |  |  | 0% |  | Noted |
| 11 | 10.2 | **S1-231660** | OPPO | FS\_AIML\_Ph2 Status report |  |  |  |  |  |  |  |  | 95% |  | Noted |
| 12 | 10.2 | **S1-231661** | OPPO | AIML\_Ph2 Status report |  |  |  |  |  |  |  |  | 0% |  | Noted |
| 13 | 10.2 | **S1-231662** | Novamint | FS\_ 5GSAT\_Ph3 Status report |  |  |  |  |  |  |  |  | 90% |  | Noted |
| 14 | 10.2 | **S1-231663** | Novamint | 5GSAT\_Ph3 Status report |  |  |  |  |  |  |  |  | 0% |  | Noted |
| 15 | 10.2 | **S1-231664** | China Mobile | FS\_UAV\_Ph3 Status report |  |  |  |  |  |  |  |  | 95% |  | Noted |
| 16 | 10.2 | **S1-231665** | China Mobile | UAV\_Ph3 Status report |  |  |  |  |  |  |  |  | 0% |  | Noted |
| 17 | 10.2 | **S1-231666** | Qualcomm | FS\_DualSteer Status report |  |  |  |  |  |  |  |  | 90% |  | Noted |
| 18 | 10.2 | **S1-231667** | Qualcomm | DualSteer Status report |  |  |  |  |  |  |  |  | Withdrawn | WID not approved | withdrawn |
| 19 | 10.2 | **S1-231668** | China Mobile | FS\_EnergieServ Status report |  |  |  |  |  |  |  |  | 90% |  | Noted |
| 20 | 10.2 | **S1-231669** | China Mobile | EnergieServ Status report |  |  |  |  |  |  |  |  | 0% |  | Noted |
| 21 | 10.2 | **S1-231743** | LG/Rapporteur | Sobot Status Report |  |  |  |  |  |  |  |  |  |  | Noted |
| 22 | 10.2 | **S1-231670** | Novamint | FS\_ISN Status report |  |  |  |  |  |  |  |  | 30% |  | Noted |
| 23 | 10.2 | **S1-231671** | FirstNet | Mini-WID UE-to-UE Multi Hop Relay Status report |  |  |  |  |  |  |  |  | 100% |  | Noted |
| 24 | 10.2 | **S1-231672** | China Telecom | Mini-WID on Preventing Excessive Data Exposure within an NPN Status report |  |  |  |  |  |  |  |  | 100% |  | Noted |
| 25 | 10.2 | **S1-231673** | Qualcomm | Mini-WID on Human readable service name Status report |  |  |  |  |  |  |  |  | Withdrawn | WID not approved | withdrawn |
| 26 | 10.2 | **S1-231674** | China Telecom | Mini-WID on Supporting of Edge Computing for Cloud Phone Status report |  |  |  |  |  |  |  |  | Withdrawn | WID not approved | withdrawn |
| 27 | 10.2 | **S1-231675** | Peraton Labs | Mini-WID on MPS for Dual Connectivity and Multiple Access Technologies Status report |  |  |  |  |  |  |  |  | Withdrawn | WID not approved | withdrawn |
|  | 99 | **S1-231439** | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | **S1-231497** | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | **S1-231498** | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | **S1-231499** | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | **S1-231503** | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | **S1-231504** | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | **S1-231528** | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | **S1-231529** | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | **S1-231586** | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | **S1-231694** | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | **S1-231699** | Not used | Not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |
|  | 99 | **S1-231709** | not used | not used |  |  |  |  |  |  |  |  |  |  | Withdrawn |

2023 meetings:

SA1#102 22-26 May, Berlin

SA1#103 21-25 August 2023, Gothenburg

SA1#104 13 – 17 November 2023, Chicago (Palmer House Hilton)

Last allocated CR number:

|  |  |  |
| --- | --- | --- |
| Spec | CR |  |
| 22.001 |  | Principles of circuit telecommunication services supported by a PLMN |
| 22.004 |  | General on supplementary services |
| Nextfree | 231817 |  |
| next2create | 231817 |  |