**3GPP TSG-SA WG1 Meeting #99e**

**Electronic Meeting, 22 Aug – 1 Sept 2022**

# tdoc list SA1#99e 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 |
|  | 2 | S1-222000 | SA1 Chair | Draft agenda for SA1#99e | agenda |  |  |  |  |  |  |  |  |  | Revised to S1-222001 |
|  | 2 | S1-222001 | SA1 Chair | 2nd Draft agenda for SA1#99e | agenda |  |  |  |  |  |  |  |  |  | Revised to S1-222002 |
|  | 2 | S1-222002 | SA WG1 | Agenda for SA1#99e with tdoc allocation | agenda |  |  |  |  |  |  |  |  | This was the last SA1 meeting for two long-standing delegates: Betsy Covell and Greg Schumaker. They were much thanked and will be missed in SA1. | Agreed |
| 03 | 2 | [**S1-222003**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222003.zip) | SA1 Chair & ETSI MCC | Guidelines for SA1#99e (e-meeting) | other |  |  |  |  |  |  |  |  | incorrect timeline | Revised to S1-222268 |
|  | 2 | [**S1-222004**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222004.zip) | ETSI MCC | Draft minutes of SA1#98e | report |  |  |  |  |  |  |  |  |  | Revised to S1-222004 |
|  | 2 | S1-222005 | ETSI MCC | Minutes of SA1#98e | report |  |  |  |  |  |  |  |  |  | Approved |
| 05 | 2 | [**S1-222006**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222006.zip) | ETSI MCC | Work Plan presentation for SA1#99e | Work Plan |  |  |  |  |  |  |  |  |  | Noted |
| 02 | 2 | [**S1-222007**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222007.zip) | SA WG1 Chair | SA1-related topics at SA#96e | report |  |  |  |  |  |  |  |  |  | Noted |
| 08 | 2 | [**S1-222008**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222008.zip) | ETSI MCC | MCC info on CR Rules | other |  |  |  |  |  |  |  |  |  | Noted |
| 09 | 2 | [**S1-222009**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222009.zip) | ETSI MCC | MCC info on WID names | other |  |  |  |  |  |  |  |  |  | Noted |
| 03 | 7.10 | [**S1-222010**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222010.zip) | Ericsson | TR 22.877 v0.0.0 (TR skeleton) | draft TR | [22.877](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4094) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RVAS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960015) | This is the TR skeleton TR 22.877 v0.0.0 |  | Agreed |
| 04 | 7.10 | [**S1-222011**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222011.zip) | Ericsson, Deutsche Telekom | Scope to the TR22.877 | pCR | [22.877](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4094) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RVAS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960015) |  | 2011r1 agreed ( NOTE: This document + Note format) | Revised to S1-222407 |
| 06 | 7.10 | [**S1-222012**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222012.zip) | Ericsson, Deutsche Telekom | Overview chapter to TR 22.877 | pCR | [22.877](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4094) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RVAS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960015) |  | orig, agreed | Revised to S1-222408 |
| 09 | 7.10 | [**S1-222013**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222013.zip) | Ericsson, Deutsche Telekom | Welcome SMS use case to TR22.877 | pCR | [22.877](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4094) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RVAS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960015) |  | 2013r5 for approval day | Revised to S1-222409 |
| 11 | 7.10 | [**S1-222014**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222014.zip) | Deutsche Telekom, Ericsson | SoR during registration procedure use case to TR 22.877 | pCR | [22.877](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4094) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RVAS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960015) |  | 2014r6 for approval day | Revised to S1-222410 |
| 13 | 7.10 | [**S1-222015**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222015.zip) | Deutsche Telekom, Ericsson | IMSI based routing to a particular core network use case to TR 22.877 | pCR | [22.877](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4094) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RVAS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960015) |  | 2015r6 for approval day | Revised to S1-222411 |
| 55 | 7.3 | S1-222016 | VODAFONE Group Plc | Elderly Health Care | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  |  | Withdrawn |
| 29 | 7.3 | [**S1-222017**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222017.zip) | Vodafone España SA | Elderly Health Care | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2017r1 for approval day  o: Ericsson, Nokia  Rev2: still further discussions needed by Nokia | Noted |
| 06 | 7.5 | [**S1-222018**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222018.zip) | ZTE Wistron Telecom AB | New Requirements to Network Sharing | pCR | [22.851](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_NetShare](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) | To add some clarifications and new requirements. | 2018r4  Rev5 Agreed | Revised to S1-222393 |
| 06 | 7.11 | [**S1-222019**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222019.zip) | Lockheed Martin | Use Case for FS\_Dualsteer | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | r1 available  rev9: uploaded late, more time needed for Nokia, Huawei  Mote time needed in between meetings | Noted |
| 09 | 7.5 | [**S1-222020**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222020.zip) | CATT | Pseudo-CR on use case of flexibility and security for non-N2 sharing network | pCR | [22.851](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_NetShare](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) | Update use case content and requirements | 2020r5 for approval day  o: Nokia  Rev8: Nokia: clarifications needed on security issues mentioned in the contribution | Noted |
| 10 | 7.5 | [**S1-222021**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222021.zip) | one2many B.V. | Use Case for missed PWS message | pCR | [22.851](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_NetShare](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) |  |  | Noted |
| 06 | 7.4 | [**S1-222022**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222022.zip) | InterDigital, Tencent | Update to the Use Case on Mobile Metaverse for 5G-enabled Traffic Flow Simulation and Situational Awareness | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  |  | Merge into 2025r7 |
| 09 | 7.4 | [**S1-222023**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222023.zip) | InterDigital | Update to the Use Case on Localized Mobile Metaverse Service | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | 2023r1 for approval day | Revised to S1-222383 |
| 11 | 7.5 | [**S1-222024**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222024.zip) | China Telecom Corporation Ltd. | Pseudo-CR on International Roaming Based on Network Sharing | pCR | [22.851](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_NetShare](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) |  | 2024r7 for approval day  c: Qualcomm  Rev8: edited while projecting  Rev9: agreed | Revised to S1-222394 |
| 07 | 7.4 | [**S1-222025**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222025.zip) | Tencent, Tencent Cloud, China Telecom, China Mobile, China Unicom | pCR on update to 5.2 | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | 2025r9 for approval day  Rev9: 2, 3 and 10 to be deleted  Rev 10 agreed. | Revised to S1-222382 |
| 15 | 7.4 | [**S1-222026**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222026.zip) | Tencent, Tencent Cloud | Pseudo-CR on Mobile Metaverse for immersive gaming and live shows | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | 2026r4 for approval day  O: Ericsson  Rev5: agreed on last day | Revised to S1-222385 |
| 19 | 3 | [**S1-222027**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222027.zip) | Samsung | [DRAFT] Reply LS on Support for managing slice for trusted third-party owned application | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [FS\_NSCALE](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910022) | LS reply to S6-221484  "yes, there is a requirement, in 22.261". | Included in NWM thread  Samsung’s draft reply to 74: " yes, this corresponds to existing stage 1 requirements, specifically in TS 22.261, 6.8" | Noted |
| 21 | 3 | [**S1-222028**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222028.zip) | Samsung | Discussion on LS on Support for managing slice for trusted third-party owned application | discussion |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [FS\_NSCALE](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910022) | SA6 sent SA1 an LS on Support for managing slice for trusted third-party owned application (S6-221484). This discussion paper considers how SA1 should reply. | Included in NWM thread | Noted |
| 20 | 3 | [**S1-222029**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222029.zip) | Samsung | Support for managing slice for trusted third-party owned application | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0643 |  | F | 18.6.1 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [EASNS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910038) | Adds an explicit specific requirement on managing UEs with different qualities/priority level within a slice, as this was clearly intended as a result of FS\_EASNS. | Included in NWM thread | Noted |
| 22 | 7.2 | [**S1-222030**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222030.zip) | Samsung | 22.837 pCR - Transparent Sensing Use Case | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | Introduces a use case to TR 22.837 for sensing that is received by the 5GS itself. | 2030r6 for approval day | Revised to S1-222305 |
| 14 | 7.12 | [**S1-222031**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222031.zip) | Samsung | 22.822 pCR - Energy Utilization as a Performance Criteria for Best Effort Communication | pCR | [22.882](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 0.0.0 | [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 contribution provides a use case to investigate energy performance criteria for an important class of traffic. | 2031r4 for approval day  c: New version  Rev4: agreed | Revised to S1-222416 |
| 11 | 7.4 | [**S1-222032**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222032.zip) | Samsung | Pseudo-CR on Update to 5.1 | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | Seeks to address editor's notes added to clause 5.1. | orig. for approval day | Agreed |
| 17 | 7.4 | [**S1-222033**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222033.zip) | Samsung | Pseudo-CR on Use Case of Spatial Anchor Enabler | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | This pCR contains a new use case for the FS\_Metaverse study that proposes a new standardized service enabler for spatial anchoring of AR services and content. | 2033r1 for approval day | Revised to S1-222386 |
| 19 | 7.4 | [**S1-222034**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222034.zip) | Samsung | Pseudo-CR on Spatial Mapping and Localization Service Enabler Use Case | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | This P-CR proposes a use case for a new 'spatial localization' service enabler. | 2034r5 for approval day  Rev5 agred, but one supporting company (Intel) added  Rev6 agreed | Revised to S1-222387 |
| 01 | 6.3 | [**S1-222035**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222035.zip) | ETRI, KT Corp, SK Telecom, LG Uplus | Additional KPAS specific requirements | CR | [22.268](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=639) | 0075 |  | B | 17.0.0 | [Rel-17](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | ePWS, TEI17 | This CR proposes additional specific KPAS requirements for TS 22.268 Release 17. This CR contains the same proposal as S1-221236 approved in SA1#98-e(May 2022) for TS 22.268 Release 18. |  | Noted |
| 73 | 7.2 | [**S1-222036**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222036.zip) | T-Mobile Polska S.A. | Outcome of the drafting calls on FS\_Sensing | report | [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) | Before 3GPP SA1#99 there have been two conference calls organized to discuss definitions and KPIs related to FS\_Sensing. The slides provide information on these discussions. | Just for info. | Noted |
| 21 | 7.4 | [**S1-222037**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222037.zip) | Lenovo | New Use Case Supporting communication between virtual devices using IMS | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | 2037r3 for approval day  O: Ericsson, DT | Noted |
| 36 | 7.4 | [**S1-222038**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222038.zip) | NTT DOCOMO INC. | New use case of Work delegation to digital avatar | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  |  | Withdrawn |
| 37 | 7.4 | [**S1-222039**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222039.zip) | NTT DOCOMO INC. | New use case of Information access service from public UE | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  |  | Withdrawn |
| 22 | 7.4 | [**S1-222040**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222040.zip) | NTT DOCOMO INC. | New use case of Work delegation to digital avatar | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | 2040r2 for approval day  O: Ericsson | Noted |
| 23 | 7.4 | [**S1-222041**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222041.zip) | NTT DOCOMO INC. | New use case of Information access service from public UE | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | 2041r2 for approval day  O: Qualcomm, on "Public UE", which is a concept to be further clarified. | Noted |
| 14 | 7.3 | [**S1-222042**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222042.zip) | Alibaba Group | Update of use case 5.4 | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2042r1 for approval day | Revised to S1-222363 |
| 09 | 3 | [**S1-222043**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222043.zip) | NTT DOCOMO INC. | [DRAFT] Reply LS on 5GC information exposure to UE | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  |  | Included in NWM thread  R2: converging. Re-wording needed on " Ccurrently there is no service requirement explicitly mentioning the exposure of network information to UE."  Rev4: just one sentence is left, to state that there is no requirement for exposure of network information to UE (in Rel-18). | Noted |
| 09 | 7.7 | [**S1-222044**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222044.zip) | China Telecommunications | Use Case of AI model transfer management through direct device connection | pCR | [22.876](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 0.0.0 | [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) |  | 2044r3 for approval day  o: DT  Rev4: | Revised to S1-222399 |
| 09 | 7.8 | [**S1-222045**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222045.zip) | China Telecommunications | Use case of store and forward operation with discontinuous feeder link for delay-tolerant IoT - Inter-satellite | pCR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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) |  | 2045r4 for approval day  O: Qualcomm, Ericsson  Rev5: edited on screen  Rev6: agreed | Revised to S1-222328 |
| 23 | 7.11 | [**S1-222046**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222046.zip) | THALES | NTN based dual 3GPP access | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | Noted, same as 2047 | Noted |
| 09 | 7.11 | [**S1-222047**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222047.zip) | THALES, QUALCOMM | NTN based dual 3GPP access | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | 2047r2 for approval day  o: Huawei  rev4: some typos  rev5 agreed | Revised to S1-222337 |
| 13 | 7.5 | [**S1-222048**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222048.zip) | China Unicom | Pseudo-CR on use case of mobility scenarios and Requirements | pCR | [22.851](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_NetShare](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) | introduce the mobility scenarios and potential requirements for the non-N2 shared network in TR22.851 | 2048r5 for approval day | Revised to S1-222395 |
| 15 | 7.5 | [**S1-222049**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222049.zip) | China Unicom | Pseudo-CR on Use Case of Service Continuity and QoS Requirements | pCR | [22.851](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_NetShare](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) | Introduce the potential service continuity and QoS requirements for the non-N2 shared network in TR22.851V0.1.0 | 2049r5 for approval day  O: Qualcomm  Rev6: Qualcomm prefer to have 1 & 2 postponed to the next meeting. Nokia has concerns too, also with 3. So only 4 remains.  Rev7 agreed | Revised to S1-222396 |
| 06 | 4 | [**S1-222050**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222050.zip) | Vivo | New WID on Personal IoT Networks phase 2 | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | The objective is to Update the stage 1 specifications to support 5GS to forbid or allow the non-3GPP device acessing the network and its service via a gateway UE different from the gateway UE that provisions the credentials (subject to user data privacy) . | r1 uploaded  The moderator pointed out that miniWID have to be completed within one meeting, so the dates are wrong. | Noted |
| 10 | 4 | [**S1-222051**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222051.zip) | vivo | New WID on enhanced network exposure capability with critical information preserving | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Update the stage 1 specifications to support “the network exposure capability enhancement with critical information preserving”. | r1 uploaded | Noted |
| 11 | 4 | [**S1-222052**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222052.zip) | vivo | Discussion on enhanced network exposure capability with critical information preserving | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | About 2051, 52, 55, 56: needs more time between now and next meeting. All noted.  Samsung requests the information to be presented differently since they still do not understand the problem. | Noted |
| 10 | 2 | S1-222053 | ETSI | Handling of MiniWIDs | other |  |  |  |  |  |  |  | Proposal to have "TEIxx\_" in acronyms for miniWID | Ericsson: We do not know in SA1 if this is small or large amount of work in stage 2 and stage 3. This is not possible to know when we simply add a new simple SA1 CR with what we see as a small requirement. I also do not see that stage 2 groups will have a corresponding name as they may group all requirements related to a feature together etc. In particular SA2 TEI items is a special process normally. I do not think we can expect to already in SA1 decide what potential TEI items and content they will have in stage 3 WGs. Just wanted to say this in the chat as I did not want to take meeting as Jose said. But I think this needs a bit more thoughts.  KPN Difficult to judge if a mini-WID in SA1 will require a normal study and work item in later stages. | Noted |
| 07 | 4 | [**S1-222054**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222054.zip) | vivo | Visiting a PIN after remote provisioning within home PIN | CR | [22.101](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=605) | 0585 |  | B | 18.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI18](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) |  | Ericsson, Nokia and Qualcomm wonder about the link between the proposed CR and PIN.  This is seen too complex and too solution-oriented by some other companies (Huawei, KPN, Sony).  A new tdoc number is given in S1-222260, since it might impact another spec. | Noted |
| 12 | 4 | [**S1-222055**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222055.zip) | vivo | Support for preserving critical information exposed to a 3rd party | CR | [22.101](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=605) | 0586 |  | B | 18.4.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI18](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) |  | Samsung, Futurwei and Nokia do not see this CR as Stage 1 material, and wonder what is the actual Stage 1 problem that is intended to be solved. | Noted |
| 13 | 4 | [**S1-222056**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222056.zip) | vivo | Support for critical information exposed in a concealed way | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0644 |  | B | 18.6.1 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI18](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) |  | Same comment as for previous CR. | Noted |
| 24 | 7.2 | [**S1-222057**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222057.zip) | Lenovo | 22.837 pCR - Sensing Use Case for Walking assistance | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [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 walking/Manoeuvring assistance based on the 5GS sensing service. | 2057r4 for approval day | Noted |
| 35 | 3 | [**S1-222058**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222058.zip) | C1-223991 | Reply LS on multiparty Real-time Text (RTT) in conference calling | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 36 | 3 | [**S1-222059**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222059.zip) | C1-224297 | LS on the deactivation of access stratum due to discontinuous coverage | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 37 | 3 | [**S1-222060**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222060.zip) | C4-223048 | Reply LS on multiparty Real-time Text (RTT) in conference calling | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 38 | 3 | [**S1-222061**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222061.zip) | C6-220305 | LS on Satellite E-UTRAN on PLMN selector with Access Technology | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 32 | 3 | [**S1-222062**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222062.zip) | LIAISE-531-Answer-to LS-520-03 | Response to SP-220347: Alignment concerning 5G-RG requirements and its remote management | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 31 | 3 | [**S1-222063**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222063.zip) | R2-2206389 | LS on GNSS integrity | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 39 | 3 | [**S1-222064**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222064.zip) | S2-2204744 | LS OUT on Indication of Network Assisted Positioning method | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 40 | 3 | [**S1-222065**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222065.zip) | S2-2204962 | LS on removal of “Indication of country of UE location” | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 02 | 3 | [**S1-222066**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222066.zip) | S2-2205286 | LS on 5GC information exposure to UE | LS in |  |  |  |  |  |  |  | TO: | Covered by NWM thread/document [SA1#99e, LS S1-222066]  Samsung: exposed to what entity? Application function? This is a general question: what entity exposes what info to what entity(ies)? SA1 has never been fully clear on this point, the rest in an SA2matter. This is what should be answered (in Samsung's view)  6 companies prefer Oppo's approach (have requirements) versus 12 companies who prefer China Mobile/NTT's approach (no requirement). | Postponed |
| 41 | 3 | [**S1-222067**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222067.zip) | S3-221254 | Reply LS on Indication of Network Assisted Positioning method | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 03 | 3 | [**S1-222068**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222068.zip) | S3-221621 | LS reply on 5GC information exposure to UE | LS in |  |  |  |  |  |  |  | TO: | Included in NWM thread | Postponed |
| 42 | 3 | [**S1-222069**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222069.zip) | S5-223516 | Reply LS on Issues Network Slice information delivery to a 3rd party | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 43 | 3 | [**S1-222070**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222070.zip) | S5-223521 | LS Reply on network slice LCM consumption and use case | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 25 | 3 | [**S1-222071**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222071.zip) | S5-224342 | Reply LS on DN energy efficiency data analytics | LS in |  |  |  |  |  |  |  | CC: | Included in NWM thread | Postponed |
| 29 | 3 | [**S1-222072**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222072.zip) | S6-220975 | LS on Issues Network Slice information delivery to a 3rd party | LS in |  |  |  |  |  |  |  | TO: | Already answered during SA1#98e.  Reply in S1-221224’. | Noted |
| 24 | 3 | [**S1-222073**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222073.zip) | S6-221347 | LS on DN energy efficiency data analytics | LS in |  |  |  |  |  |  |  | TO: | Covered by NWM thread/document [SA1#99e, LS S1-222073] - <https://nwm-trial.etsi.org/#/documents/7964>  SA6 ask SA1 whether requirements for energy efficiency analytics for application layer entities and edge/cloud resources are in scope of the Rel-19 new SID on Energy Efficiency as a service criteria (FS\_EnergyServ).  For Huawei and Nokia, many points here are application-related and are not within the 5GS. | Postponed |
| 12 | 3 | [**S1-222074**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222074.zip) | S6-221484 | LS on Support for managing slice for trusted third-party owned application | LS in |  |  |  |  |  |  |  | TO: | Covered by NWM thread/document [SA1#99e, LS S1-222074] - <https://nwm-trial.etsi.org/#/documents/7960>  SA6 asks SA1: does SA1 have specific requirement on managing UEs with different qualities/priority level within a slice?  For KPN, the question should be further clarified. There might be different answers for different parameters.  It seems to be a general feeling within SA1 that the SA6 question should be further clarified.  DT's proposal is to be used as a basis to ask SA6 to further clarify their question. | Replied into 2262 |
| 33 | 3 | [**S1-222075**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222075.zip) | SG2-LS4-TD066-R2-P | LS on initiation of new work item ITU-T TR.Carrier-Switching: Technical report on the carrier switching of SIM and e-sims for enterprises in M2M/IoT | LS in |  |  |  |  |  |  |  | TO: |  | Noted |
| 34 | 3 | [**S1-222076**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222076.zip) | UPG03\_107r3- Reply LS on multiparty Real-time Text \_RTT\_ inconference cal | Reply LS on multiparty Real-time Text (RTT) in conference calling | LS in |  |  |  |  |  |  |  | CC: |  | Noted |
| 24 | 7.4 | [**S1-222077**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222077.zip) | Orange | new use case - Interconnection of virtual universes | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | The contribution proposes to add, in the draft 3GPP TR 22.856, a new use case concerning the interconnection of the virtual universes allowing the customer to use the same digital representation seamlessly. | 2077r2 for approval day  O: ZTE, Qualcomm on terminology | Noted |
| 25 | 7.4 | [**S1-222078**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222078.zip) | Orange | New use case - Digital asset container, presentation, access and certification | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) | The contribution proposes to add, in the draft 3GPP TR 22.856, a new use case concerning the user digital asset container managed by the operators. | 2078r3 for approval day  O: Qualcomm, Samsung | Noted |
| 10 | 7.9 | [**S1-222079**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222079.zip) | Orange | New use case - UAV detection | pCR | [22.843](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 0.0.0 | [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) | The contribution proposes to add, in the draft 3GPP TR 22.843, a new use case concerning the detection of a UE on board a UAV. | 2079r2 for approval day  o: Futerwei  Rev3: one comment missing from Futurwei (PR 5.x.6-1]: The 5G system shall be able to detect that a connected UE is on board a flying UAV, while UE’s subscription does not include “aerial subscription”.)  Requirement rephrased while projecting.  Rev4 agreed | Revised to S1-222405 |
| 15 | 4 | [**S1-222080**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222080.zip) | China Telecom | New WID on Support for Minimization of Service Interruption during Core Network Failure | WID new |  |  |  |  |  |  |  |  | 2080r1 for approval day | Revised to S1-222345 |
| 17 | 4 | [**S1-222081**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222081.zip) | China Telecom | Discussion on Support for Minimization of Service Interruption during Core Network Failure | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 03 | 7.5 | [**S1-222082**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222082.zip) | China Mobile Com. Corporation | pCR on NetShare Abbreviations | pCR | [22.851](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4047) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_NetShare](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950006) |  | 2082r2 pre-agreed | Revised to S1-222392 |
| 26 | 7.4 | [**S1-222083**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222083.zip) | China Mobile Com. Corporation | pCR-22856-new use case on metaverse market place | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | 2083r1 for approval day  O: Qualcomm  Rev2: editor's note changed, but still not acceptable for Qualcomm. | Noted |
| 03 | 7.4 | [**S1-222084**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222084.zip) | China Mobile Com. Corporation | pCR- 22856-Scope modification | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | 2084r1 pre-agreed | Revised to S1-222381 |
| 21 | 4 | [**S1-222085**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222085.zip) | China Mobile Com. Corporation | enhanced Customized Alerting Tones and Customized Ringing Signal | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | Samsung has an objection on the WID and CR, presented on the email thread. | Noted |
| 22 | 4 | [**S1-222086**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222086.zip) | China Mobile Com. Corporation | Motivation of supporting 5G enhanced Customized Alerting Tones (CAT) and Customized Ringing Signal (CRS) | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI18](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) | WID objective:  Propose normative service requirements to support the processing of user interface functional components and transmitting and processing of the corresponding messages, during playing CAT/CRS content. |  | Noted |
| 23 | 4 | [**S1-222087**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222087.zip) | China Mobile Com. Corporation | CRS user interface function component and message processing | CR | [22.183](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=625) | 0006 |  | B | 17.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI17](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850047) |  | Wrong format in cover page  R1: Samsung still has concern with the text  MCC: WID name still incorrect ("enhanced" does not follow the guidelines in S1-222009)  Nokia: the WID and the CR should be better aligned  All this series is noted until next meeting. | Noted |
| 24 | 4 | [**S1-222088**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222088.zip) | China Mobile Com. Corporation | CAT user interface function component and message processing | CR | [22.182](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=624) | 0027 |  | B | 17.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [TEI17](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850047) |  | Wrong format in cover page | Noted |
| 03 | 7.8 | [**S1-222089**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222089.zip) | NOVAMINT | TR skeleton for TR 22.865 - 5GSAT-Ph3 | draft TR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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 |
| 04 | 7.8 | [**S1-222090**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222090.zip) | NOVAMINT | Scope for the TR22.865 | pCR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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) |  | 2090r2 pre-agreed | Revised to S1-222326 |
| 06 | 7.8 | [**S1-222091**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222091.zip) | NOVAMINT, Sateliot, GateHouse | new definitions and abbreviations | pCR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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) |  | 2091r3 for approval day | Revised to S1-222327 |
| 26 | 4 | [**S1-222092**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222092.zip) | Peraton Labs | New WID on MPS for Messaging services (MPS4msg) | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | mini-WID to include new requirements in TS 22.153 on MPS for Messaging services. | 2092r2 for approval day  C: Qualcomm  Rev2: Note 6 to be added (aligned with Note of the Rev3 of the CR), completion date to be changed  Rev3: agreed | Revised to S1-222347 |
| 28 | 4 | [**S1-222093**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222093.zip) | Peraton Labs | MPS for Messaging services | CR | [22.153](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=617) | 0056 |  | B | 18.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | TS 22.153 Rel-19 CR on MPS for Messaging services | R1: agreeable, with some concerns about mention SGd and N20 interfaces. This can be removed.  C: Qualcomm  Rev3: remove yellow highlight  Rev4: agreed | Revised to S1-222348 |
| 25 | 7.2 | [**S1-222094**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222094.zip) | NTT DOCOMO, NTT | Pseudo-CR on Use Case of crowd estimation in smart city | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This contribution proposes a new use case for FS\_Sensing. |  | Merge into 2157r6 |
| 26 | 7.2 | [**S1-222095**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222095.zip) | NTT DOCOMO, NTT | Pseudo-CR on Use case of sensing for flooding in smart cities | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This contribution proposes a new use case for FS\_Sensing. | 2095r2 for approval day | Revised to S1-222306 |
| 28 | 7.2 | [**S1-222096**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222096.zip) | NTT DOCOMO, NTT | Pseudo-CR on Use case of site monitoring in smart home | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This contribution proposes a new use case for FS\_Sensing. | 2096r3 for approval day | Revised to S1-222307 |
| 30 | 7.2 | [**S1-222097**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222097.zip) | NTT DOCOMO, NTT | Pseudo-CR on Use case of sensing for railway intrusion detection | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This contribution proposes a new use case for FS\_Sensing. | 2097r2 for approval day | Revised to S1-222308 |
| 33 | 7.2 | [**S1-222098**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222098.zip) | Qualcomm Incorporated | Sensing-assisted automotive maneuvering and navigation | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | 2098r8 for approval day  R8 agreed | Revised to S1-222309 |
| 35 | 7.2 | [**S1-222099**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222099.zip) | Qualcomm Incorporated | Automated Guided Vehicle detection and tracking in factories | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | 2099r2 pre-agreed  Rev8 on last call: agreed | Revised to S1-222310 |
| 37 | 7.2 | [**S1-222100**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222100.zip) | Qualcomm Incorporated | UAV Flight Trajectory Tracing | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | 2100r5 for approval day  C: Nokia  R8: "request from UTM and sensing configuration" needs to be clarified.  R9 agreed with changes | Revised to S1-222311 |
| 30 | 7.3 | [**S1-222101**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222101.zip) | Qualcomm Incorporated | Ambient IoT for Asset Tracking in Airport Terminals / Shipping Ports | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2101r6 for approval day  C: Huawei  Rev9: Add square brackets around 256.  KPN: delete the first requirement. OK  Rev10: agreed | Revised to S1-222370 |
| 18 | 4 | [**S1-222102**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222102.zip) | China Telecom | New requirements on MINT\_Ph2 | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0645 |  | B | 18.6.1 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | CR to add the support of disaster mitigation services in MOCN and national roaming scenarios. | Also for this CR, Ericsson sees several aspects as being Stage 2-oriented.  Rev3: going in the right direction for Samsung, Ericsson, Qualcomm.  Samsung highlights that this works only for CN failure.  For Nokia, Ericsson, Qualcomm, the Note stating what is not covered should be deleted.  R5: last point being discussed is the Note.  To Nokia, the very first change is seen as not bringing any info and should be deleted. For Qualcomm, it does not arm neither to have it.  It is clarified that the 2nd sentence does bring information. If the 1st sentence is deleted, the 2nd one should be re-written.  Other changes to be done, as displayed during the session.  The Note is not understandable as it is and should be either deleted or re-written (delete by default).  Rev6: agreed | Revised to S1-222346 |
| 32 | 7.3 | [**S1-222103**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222103.zip) | Qualcomm Incorporated | Finding remote lost item with Ambient IoT devices | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2103r4 for approval day  O: DT, Qualcomm  Rev6: about the 1st requirement,  Q: Is "direct communication" on the scope of Ambient IoT study?  Yes: 16  No: 2 (DT, Telefonica)  Huawei: add an editor's note to state UE/RAN entities terminology needs to be clarified. OK  Rev7 agred | Revised to S1-222371 |
| 11 | 7.11 | [**S1-222104**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222104.zip) | SyncTechno, Inc. | Use case on dual 5G satellite access in maritime scenario | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | 2104r1 for approval day  o: Huawei | Revised to S1-222338 |
| 27 | 7.4 | [**S1-222105**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222105.zip) | vivo | Pseudo-CR on Use Case Immersive AR Interactive Experience | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.0.0 | [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 proposes the text proposal to TR 22.856 about a new use case of immersive AR interactive experience. | 2105r2 for approval day | Revised to S1-222388 |
| 17 | 7.2 | [**S1-222106**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222106.zip) | Huawei, CAICT | Update of Clause 5.2\_use case of intrusion detection on a highway | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | 2106r3 for approval day | Revised to S1-222303 |
| 32 | 7.2 | [**S1-222107**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222107.zip) | Huawei, CAICT | New use case\_Sensing for railway intrusion detection | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  |  | Merged into 2097r1 |
| 12 | 7.2 | [**S1-222108**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222108.zip) | Nokia, Nokia Shanghai Bell | Pseudo-CR on consolidated potential KPIs for sensing scenarios | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [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 consolidated KPIs applicable to all use cases for integrated sensing and communications. | 2108r4 for approval day.  This was agreed (No comments received) during approval day but changed later on during the call. | Noted |
| 39 | 7.2 | [**S1-222109**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222109.zip) | Huawei, CAICT | New use case\_Sensing for road traffic monitoring | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  |  | Noted |
| 03 | 7.2 | [**S1-222110**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222110.zip) | Xiaomi | Sensing definition | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | It is proposed to add Sensing definitions to 3GPP TR 22.837 V0.1.0. | 3 proposals: Huawei, Xiaomi (2120) and DT (2226)  Xiaomi: 2 companies  DT: 11 companies  Huawei: 17 companies  Objections:  3 against 2 for DT, Huawei.  So no consensus. | Noted |
| 72 | 7.2 | [**S1-222111**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222111.zip) | Xiaomi | Sensing mode | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | It is proposed to add sensing modes to the Annex of 3GPP TR 22.837 V0.1.0. | 2111r2 for approval day  O: DT, Vodafone  Rev3: Noted | Noted |
| 67 | 7.2 | [**S1-222112**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222112.zip) | Xiaomi | Sensing privacy consideration | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | It is proposed to add Sensing privacy consideration to 3GPP TR 22.837 V0.1.0. | 2112r1 for approval day  O: DT on use case  Xiaomi: DT should have objected on previous one too, since it's on use case  Rev2: conclusion to be removed. Agreed with this. | Revised to S1-222321 |
| 69 | 7.2 | [**S1-222113**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222113.zip) | Xiaomi | Sensing public safety consideration | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | It is proposed to add Sensing public safety consideration to 3GPP TR 22.837 V0.1.0. | 2113r1 for approval day | Revised to S1-222322 |
| 71 | 7.2 | [**S1-222114**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222114.zip) | Xiaomi | Sensing charging consideration | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | It is proposed to add Sensing Charging consideration to 3GPP TR 22.837 V0.1.0. | orig. for approval day  o: Vodafone (about charging) | Noted |
| 40 | 7.2 | [**S1-222115**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222115.zip) | Xiaomi | Vehicle Sensing for ADAS | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | It is proposed to add a new use case Sensing for ADAS to 3GPP TR 22.837 V0.1.0. | 2115r2 for approval day | Noted |
| 41 | 7.2 | [**S1-222116**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222116.zip) | Xiaomi | RAN Sensing for real-time map service assisted vehicle driving | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | It is proposed to add a new use case RAN Sensing for real-time map service assisted vehicle driving to 3GPP TR 22.837 V0.1.0. |  | Merged into 2120r1 |
| 44 | 7.2 | [**S1-222117**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222117.zip) | Xiaomi | In vehicle sensing for life detection | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | It is proposed to add a new use case in-vehicle sensing for life detection to 3GPP TR 22.837 V0.1.0. |  | Noted |
| 45 | 7.2 | [**S1-222118**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222118.zip) | ZTE Corporation | New UC: Network assisted sensing to avoid UAV collision | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This contribution proposes a new use case for FS\_Sensing. It describes that 5G system provides sensing service to track the specific UAV with the system information provided by a UE on barding the UAV. | 2118r6 for approval day | Revised to S1-222313 |
| 47 | 7.2 | [**S1-222119**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222119.zip) | ZTE Corporation | New UC: Detection of UAVs illegal flying in a restricted area | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This contribution proposes a new use case for FS\_Sensing which is about detection of UAVs illegal flying in a restricted area |  | Merged into 2155r1 |
| 42 | 7.2 | [**S1-222120**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222120.zip) | ZTE Corporation | New UC: Guaranteed sensing in NLOS scenario | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This contribution describes a new use case about to guarantee sensing service availability when the sensing target objects in NLOS scenario | 2120r6 for approval day | Revised to S1-222312 |
| 34 | 7.3 | [**S1-222121**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222121.zip) | Xiaomi | LCS for Ambient IoT | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 a new use case of LCS for Ambient IoT to be documented into TR 22.840. | 2121r2 for approval day  C: Huawei  Rev3 agreed | Revised to S1-222372 |
| 36 | 7.3 | [**S1-222122**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222122.zip) | Xiaomi | Ranging for Ambient IoT | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 a new use case of Ranging for Ambient IoT to be documented into TR 22.840. | orig. for approval day | Agreed |
| 16 | 7.3 | [**S1-222123**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222123.zip) | ZTE Corporation | Resolve editor’s notes in clause 5.2 | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 KPIs and remove editor notes in TR22.840 clause 5.2 “medical instruments inventory management and positioning” | 2123r5 for approval day | Revised to S1-222364 |
| 37 | 7.3 | [**S1-222124**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222124.zip) | ZTE Corporation | New UC: Online modification of medical instruments status | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 a new use case about online modification of medical instruments status for FS\_AmbientIoT (TR22.840) | 2124r4 for approval day  o: Ericsson  Rev5: editor's note added. "group of Ambiot IoT devices" to be deleted  Rev6 agreed | Revised to S1-222373 |
| 12 | 7.4 | [**S1-222125**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222125.zip) | Huawei, Orange | Pseudo-CR on updates to clause 5.3 | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | orig. for approval day  Rev4: comments during approval day  Rev5: Editor's Note proposed to solve Qualcomm's concern. Qualcomm explained their concern to be on terminology. Huawei complained that Qualcomm's concerned were expressed too late, even for first time, in the e-mail discussion.  Edited on the screen.  Rev6 agreed | Revised to S1-222384 |
| 01 | 6.2 | [**S1-222126**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222126.zip) | ZTE Corporation | Adding requirements on maximum capacity of network slicing | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0646 |  | B | 17.10.0 | [Rel-17](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=192) | SMARTER, SMARTER\_Ph2 | This CR is to add requirements on maximum capacity of network slicing to align with related downstream working group progress in R17. | CR0646R- Cat B Wrong WIcode  Rev1. This is clarified to be an alignment CR, so it is still OK to have a Rel-17 CR.  Wrong WID on the cover.  For Nokia, the part on "specific geographical area" is not an alignment and should be deleted.  Some rewording needed.  Rel-18 mirror needed, in 2263. | Revised to S1-222298 |
| 18 | 7.3 | [**S1-222127**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222127.zip) | Huawei, China Southern Power Grid Co. | Pseudo-CR on updates to clause 5.3 | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2127r5 for approval day  Rev7 agreed | Revised to S1-222365 |
| 01 | 6.1 | [**S1-222128**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222128.zip) | Kyonggi University | Addition of a location related requirement supporting various positioning accuracy | CR | [22.280](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3017) | 0155 |  | B | 18.2.0 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [MCImp-MCCoRe](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=700028) | In this CR, we propose to add a location-related requirement supporting various positioning accuracy based on the agreed consensus in the previous meeting (SA1#98e). | Wrong cover page, What specification is this? | Noted |
| 02 | 7.6 | [**S1-222129**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222129.zip) | Union Inter. Chemins de Fer | Enhancement and clean-up of Railway Emergency Communication related use cases | CR | [22.989](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) | 0016 |  | C | 19.0.0 | [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) | Service flows and corresponding potential requirements of Railway Emergency Communication related use cases are enhanced. Overall clean-up is also made. | FS\_FRMCS\_Ph5\_1] WI FS\_FRMCS\_Ph5 Rel-19 CR0016R- Cat C 2129r1 pre-agreed  2129r3 for approval day | Revised to S1-222323 |
| 37 | 4 | [**S1-222130**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222130.zip) | Saankhya Labs, IIT Bombay, Ligado Networks, One Media 3.0, Fraunhofer IIS, CEWiT, Tejas Networks, IIT Kanpur, IIT Madras, IIT Hyderabad, IIT Kharagpur | Usage of Non-3GPP NTN (Satellite access network) for Multicast Broadcast Services in 5GS | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0638 | 3 | B | 18.6.1 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [5GSAT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=800048) | The following statement is added: " NOTE 1A: A 5G satellite access network supporting multicast/broadcast can include either a 3GPP satellite NG-RAN or a non-3GPP satellite access network, or both." | The box "RAN" should not be ticked.  The phrasing of the note sounds perfectible to DT. The entire note can be replaced by a requirement.  R5: changes on changes  Qualcomm still have difficulties to understand the context, and need more time, e.g. until the next meeting.  O: Qualcomm: more time needed | Noted |
| 33 | 4 | [**S1-222131**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222131.zip) | Saankhya Labs, IIT Bombay, Hewlett-Packard Enterprise, Ligado Networks, One Media 3.0, Fraunhofer IIS, CEWiT, Tejas Networks, IIT Kanpur, IIT Madras, IIT Hyderabad, IIT Kharagpur | Usage of Non-3GPP DTT Broadcast Networks for Multicast/Broadcast Services in 5GS | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0639 | 2 | B | 18.6.1 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [5MBS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=900038) |  | There is no disagreement on the intention, but for several companies (KPN, Qualcomm), the statement "The 5G system shall support multicast/broadcast via a non-3GPP digital terrestrial broadcast network, or via a combination of a non-3GPP digital terrestrial broadcast network and other 5G access networks." makes it sound as a problem external to 3GPP.  The box "RAN" should not be ticked.  The changes on the system have to be highlighted in the next version.  R6: for Samsung, "interworking" – as proposed here – is correctly covered by this CR. They clarified that "integration" would be more complex to achieve.  Rev10: agreed | Revised to S1-222350 |
| 36 | 4 | [**S1-222132**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222132.zip) | Saankhya Labs, IIT Bombay | Usage of Non-3GPP NTN for Multicast Broadcast Services (MBS) in 5GS | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | 2132r6 for approval day  O: Qualcomm: more time needed, to check architectural impact | Noted |
| 31 | 4 | [**S1-222133**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222133.zip) | Saankhya Labs, IIT Bombay | Usage of Non-3GPP DTT Broadcast Networks for Multicast/Broadcast Services (MBS) in 5GS | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | 2133r10 for approval day  Rev10: no "WID on" in the tilte  Rev11: Agreed | Revised to S1-222349 |
| 39 | 4 | [**S1-222134**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222134.zip) | ZTE Corporation, CEPRI, China Telecom, China Unicom | New WID on Measurement Data Collection | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  | 2134r1 for approval day  Rev3: remove "TEI19\_", clean-up needed, completion date to be changed  Exceptionnally, the WID can be agreed without the corresponding CR, which is targeted for next meeting.  Ericsson: this will trigger questions to SA. Let's endorse it in SA1 but not submit it to SA.  Clean-up is needed.  Final SA1 number to be given  Only controversial point is to solve the note.  Rev4: add "only NPN" in objectives  the limitation is on "direct network connection in NPN" instead of just "NPN"  WID and CR technically endorsed, but clean-up needed at next SA1 meeting. | Revised to S1-222351 |
| 41 | 4 | [**S1-222135**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222135.zip) | ZTE Corporation | Discussion paper for Measurement Data Collection | other |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 42 | 4 | [**S1-222136**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222136.zip) | ZTE Corporation | New requirements for QoS monitoring | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0647 |  | B | 18.6.1 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | New requirements are introduced to support QoS monitoring with packet granularity.  - The QoS monitoring and reporting per data packet shall be supported.  - Mechanisms to enable an authorized application/network entity to start and stop QoS monitoring per data packet shall be supported.  A note is added to clarify the existing refresh rate requirement for QoS monitoring. | Rev1: progressing well online.  Nokia ask to remove 2 instances of " and trusted third-party demands,"  LG has concerns with " per data packet" – which is the basis of this contribution. Ericsson has the same concern.  5G-ACIA has been working on this topic should be consulted, in Ericsson's view  R5: LGE is supportive to the WID proposal but not with the way it is handled with requirements on "multi-hop" extension.  Other concerns e.g. from Siemens.  more off-line discussions needed.  Rev8: lot of editorial clean-up needed, one single file in the zip. Text of Note 13 should be moved outside a note.  For Qualcomm, it is too late in the meeting to make online changes and to rush, when there is no need to rush  Final SA1 number to be given | Revised to S1-222352 |
| 51 | 4 | [**S1-222137**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222137.zip) | Esurfing IoT | New WID on Discovery of Service Hosting Environment | WID new |  |  |  |  |  |  |  | Rev1 presented by China Telecom.  This mini WID aims to specify requirements on discovery of Service Hosting Environment | Nokia and Samsung wonder about the purpose – it seems overwhelmingly complicated.  "plenty of computing resources" is not an acceptable wording for Samsung and Siemens.  The source has to be clarified (Esurfing IoT or China Telecom). | Noted |
| 53 | 4 | [**S1-222138**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222138.zip) | Esurfing IoT | Description and requirements on discovery of Service Hosting Environment | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0648 |  | B | 18.6.1 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Rev1 presented by China Telecom. | Rev1: still basic disagreement from Nokia and 2 other companies, which don't see the point of doing this | Noted |
| 52 | 4 | [**S1-222139**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222139.zip) | Esurfing IoT | Discussion on discovery of Service Hosting Environment | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 11 | 7.8 | [**S1-222140**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222140.zip) | China Telecom; CATT | Use Case:Temporary LAN using satellite access | pCR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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) |  | 2140r4 for approval day  o: Qualcomm, Huawei  Rev5: X.1.6: "5G shall be able to" missing. "for a UE".  Rev6 agreed | Revised to S1-222329 |
| 13 | 7.8 | [**S1-222141**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222141.zip) | CATT, China Telecomm | Use Case: Enhanced Positioning Service using Satellite Access | pCR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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) |  | 2141r4 for approval day  c: ESA, Qualcomm  Rev5: "using ONLY satellite access" E.g. to be removed.  Rev6 agreed | Revised to S1-222330 |
| 39 | 7.3 | [**S1-222142**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222142.zip) | vivo, OPPO | New use case: Ambient IoT in personal belongings finding | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 provides a Text Proposal for the use case about using Ambient\_IoT services for personal belongings finding. | 2142r4 for approval day  o: Ericsson, DT  Rev5: Editor's note to be removed after KPI table  Rev6 agreed | Revised to S1-222374 |
| 41 | 7.3 | [**S1-222143**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222143.zip) | vivo | New use case: Ambient IoT in Sensor Networks | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 provides a Text Proposal for the use case about using Ambient IoT services in sensor networks for smart agriculture, smart product line and smart home. | 2143r5 for approval day  o: Ericsson, DT  Rev6: Editor's note to be removed after KPI table  Still unclear to DT, about (lack of) reachability of UE | Noted |
| 13 | 7.11 | [**S1-222144**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222144.zip) | CATT | Use Case: Traffic Switch between Terrestrial and Satellite Access | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | 2144r3 for approval day | Revised to S1-222339 |
| 50 | 7.2 | [**S1-222145**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222145.zip) | Huawei | New use case: Sensing for parking space determination | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | 2145r5 for approval day  O: DT, Ericsson, Telefonica  Rev5: noted, for reasons which are not justified in Huawei's view | Noted |
| 03 | 6.2 | [**S1-222146**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222146.zip) | ZTE Corporation | Adding requirements on maximum capacity of network slicing | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0649 |  | A | 18.6.1 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [EASNS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910032) | This CR is to add requirements on maximum capacity of network slicing to align with down stream working group progress. | Change cat | Revised to S1-222299 |
| 51 | 7.2 | [**S1-222147**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222147.zip) | Huawei Device Co., Ltd | New Use case: Immersive experience based on Sensing | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | 2147r4 for approval day  O: DT, Vodafone, Telefonica  Rev4: noted | Noted |
| 56 | 4 | [**S1-222148**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222148.zip) | CATT | Discussion on requirements for positioning service for UEs connecting via dual 3GPP access | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 04 | 7.6 | [**S1-222149**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222149.zip) | Union Inter. Chemins de Fer | Public Train Emergency Communication related use cases | CR | [22.989](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) | 0017 |  | B | 19.0.0 | [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) | New use cases related to the Public train emergency communication are introduced. | FS\_FRMCS\_Ph5\_2] WI FS\_FRMCS\_Ph5 Rel-19 CR0017R- Cat B  2149r3 for approval day | Revised to S1-222324 |
| 04 | 3 | [**S1-222150**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222150.zip) | OPPO | Reply on 5GC information exposure to UE | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | [Draft] Reply on 5GC information exposure to UE | Included in NWM thread | Noted |
| 05 | 3 | [**S1-222151**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222151.zip) | OPPO | Concerning Reply LS on 5GC information exposure to UE | discussion |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) |  | This document considers the issues and proposed resolutions from incoming LS SA2-2205286. | Included in NWM thread | Noted |
| 42 | 7.3 | [**S1-222152**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222152.zip) | China Mobile Com. Corporation | New use case Ambient IoT for Base Station Machine Room Environmental Supervision | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2152r4 for approval day | Revised to S1-222375 |
| 20 | 7.3 | [**S1-222153**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222153.zip) | China Mobile Com. Corporation | Update service requirements for use case-Ambient\_IoT for automated warehousing | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2153r5 for approval day | Revised to S1-222366 |
| 06 | 7.7 | [**S1-222154**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222154.zip) | OPPO | Adding description in overview and updating the TR structure | pCR | [22.876](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 0.0.0 | [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) | Abstract: This document is to add descriptions in overview while updating the TR structure accordingly. | 2154r1 for approval day | Revised to S1-222398 |
| 48 | 7.2 | [**S1-222155**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222155.zip) | China Mobile Com. Corporation | New use case\_Sensing for UAV intrusion detection | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | 2155r5 for approval day  Rev6: agreed | Revised to S1-222314 |
| 03 | 7.7 | [**S1-222156**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222156.zip) | OPPO, Kyonggi University | Introduction of TR 22.876 on study of AI/ML Model Transfer Phase 2 | pCR | [22.876](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 0.0.0 | [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) | Abstract: This pCR provides an introduction of TR22.876v0.0.0 | 2156r1 for approval day | Revised to S1-222397 |
| 52 | 7.2 | [**S1-222157**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222157.zip) | China Mobile Com. Corporation | New use case\_Sensing for Tourist spot traffic management | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | r6 pre-agreed  c: DT (1st req to be rewritten)  rev8: agreed | Revised to S1-222315 |
| 05 | 7.7 | [**S1-222158**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222158.zip) | OPPO, Kyonggi University | Scope of TR 22.876 on study of AI/ML Model Transfer Phase 2 | pCR | [22.876](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 0.0.0 | [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) | Abstract: This pCR provides a scope statement for TR22.876 | orig. for approval day | Agreed |
| 06 | 7.6 | [**S1-222159**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222159.zip) | Union Inter. Chemins de Fer | Railway staff Emergency Communication related use cases | CR | [22.989](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3109) | 0018 |  | B | 19.0.0 | [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) | New use cases related to Railway staff Emergency Communication are introduced. | FS\_FRMCS\_Ph5\_3] WI FS\_FRMCS\_Ph5 Rel-19 CR0018R- Cat B  2159r3 for approval day | Revised to S1-222325 |
| 02 | 4 | [**S1-222160**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222160.zip) | China Mobile Com. Corporation | Revised SID on UAV Phase 3 | SID revised |  |  |  |  |  | [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) | One proposal is to move it 3 months earlier. | Moved from 7.9  New dates are not agreeable, the original dates should be kept.  Other changes are OK.  Rapoprteur shall be added in section 5. | Revised to S1-222296 |
| 03 | 7.9 | [**S1-222161**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222161.zip) | China Mobile Com. Corporation | UAV\_Ph3 TR 22.843 skeleton | pCR | [22.843](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 0.0.0 | [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) |  | 2161r1 pre-agreed | Revised to S1-222402 |
| 11 | 7.7 | [**S1-222162**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222162.zip) | OPPO | 5GS assisted distributed joint inference | pCR | [22.876](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 0.0.0 | [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 document proposes a use case and related potential requirements to be included in FS\_AIML\_Ph2 TR 22.876 version 0.0.0. | 2162r1 for approval day  o: DT | Noted |
| 05 | 7.9 | [**S1-222163**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222163.zip) | China Mobile Com. Corporation | pCR FS\_UAV\_Ph3 Scope | pCR | [22.843](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 0.0.0 | [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) |  | 2163 r2 pre-agreed (Correct tense + minor typos + Note: This document + format) | Revised to S1-222403 |
| 55 | 4 | [**S1-222164**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222164.zip) | CATT | New WID on 5G Positioning Service for UE connecting to Dual 3GPP access | WID new |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  | Rev2 presented  The objective is to study and specify service requirements that could benefit from 5GS support of improved positioning service for UEs connecting to two 3GPP access networks. |  | Noted |
| 07 | 7.9 | [**S1-222165**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222165.zip) | China Mobile Com. Corporation | pCR FS\_UAV\_Ph3 Overview | pCR | [22.843](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 0.0.0 | [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) |  | orig. pre-agreed | Revised to S1-222404 |
| 12 | 7.9 | [**S1-222166**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222166.zip) | China Mobile Com. Corporation | New use case\_Support of UAV pre-flight preparation | pCR | [22.843](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 0.0.0 | [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) |  | 2166r3 for approval day  c: New version  Rev4: Agreed | Revised to S1-222406 |
| 19 | 7.2 | [**S1-222167**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222167.zip) | China Telecom | Update of Use Case of Rainfall Monitoring | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [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 updates the use case of rainfall monitoring for the FS\_Sensing. | 2167r1 for approval day | Revised to S1-222304 |
| 12 | 7.7 | [**S1-222168**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222168.zip) | OPPO, Tsinghua University | 5GS assisted AIML model transfer learning | pCR | [22.876](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 0.0.0 | [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 document proposes a use case and related potential requirements to be included in FS\_AIML\_Ph2 TR 22.876 version 0.0.0. | 2168r4 for approval day  o: DT | Noted |
| 13 | 7.7 | [**S1-222169**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222169.zip) | OPPO, China Telecom | Proximity based work task offloading for AIML inference | pCR | [22.876](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 0.0.0 | [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 document proposes a use case and related potential requirements to be included in FS\_AIML\_Ph2 TR 22.876 version 0.0.0. | 2169r2 for approval day  o: DT  Rev3: edited online  Rev4 agreed | Revised to S1-222400 |
| 15 | 7.7 | [**S1-222170**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222170.zip) | OPPO | Direct device connection assisted Federated Learning | pCR | [22.876](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 0.0.0 | [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 document proposes a use case and related potential requirements to be included in FS\_AIML\_Ph2 TR 22.876 version 0.0.0. | 2170r3 for approval day  o: DT  Rev4: agreed | Revised to S1-222401 |
| 57 | 4 | [**S1-222171**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222171.zip) | CATT | Positioning service for UE connecting to dual 3GPP access networks | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0650 |  | B | 18.6.1 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Rev2 presented.  The CR adds requirements e.g. high-accuracy positioning when UE connecting to two 3GPP access networks. | About dual network, DT think that this is already covered.  For Huawei, this is similar to Rel-19 DualSteer, which has been clarified compared to the first proposal.  Several other companies (Nokia, Qualcomm,…) expressedconcern on the clarity/usefulness/appropriate moment in time of the proposal.  China Unicom support this proposal.  R2: DT has concern (they do not see the need) about the inter-PLMN coordination part. They are OK with the intra-PLMN case.  Qualcomm and Nokia have similar concerns.  Given the overhead it "costs", Nokia does not think it will be ever implemented.  R3: for T-Mobile, DT, Nokia, this is already covered in the system, no need for WID nor CR.  These are too many concerns for the few days left, so noted. | Noted |
| 45 | 4 | [**S1-222172**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222172.zip) | China Telecom | WID on Multi-path relay | WID new |  |  |  |  |  |  |  |  | Rev4: agreeable, rev marks to be agreed.  Rev6: LG added, "TEI19\_" to be removed  Rev7 agreed | Revised to S1-222353 |
| 48 | 4 | [**S1-222173**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222173.zip) | China Telecom | Add requirements on multi-path relay UEs | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0651 |  | B | 18.6.1 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [DUMMY](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=699999) | Rev1 presented.  The CR adds requirements on multi-path indirect network connection, network-assistance traffic routing based on relay UE’s mobility patterns and update requirements on relay UE selection criteria. | Ericsson see this entire CR as a Stage 2 concern. For Nokia, at least the wording is very Stage 2-sounding.  For Siemens, multi-hop and multi-path are 2 different aspects, that should not be mixed up.  Nokia prefers rev0 for the last but one change in 6.9.2.1 – but Huawei prefers rev1.  About the "mobility pattern of the relay UE", it means that a non-moving UE can be selected. For Nokia, it is already covered, and the list is anyway examples only. Qualcomm has concerns about adding it. For Siemens, the terms "mobility pattern" -to refer to whether a UE is moving or not- is not clear.  R5: "communications" to be changed to "communication".  Note to be added, as per LG's request  Rev6 agreeable  Rev7: LG added as co-source, then agreed | Revised to S1-222354 |
| 47 | 4 | [**S1-222174**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222174.zip) | China Telecom | Discussion paper on MultiRelay | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 17 | 7.7 | [**S1-222175**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222175.zip) | OPPO | Intelligent advertisement notification using AR glasses | pCR | [22.876](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 0.0.0 | [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 document proposes a use case and related potential requirements to be included in FS\_AIML\_Ph2 TR 22.876 version 0.0.0. | orig. for approval day | Noted |
| 14 | 7.2 | [**S1-222176**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222176.zip) | Dongguan OPPO Precision Elec. | Update for Use case of intruder detection in smart home | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | FS\_AIML\_MT\_Ph2, FS\_Sensing | This document is to revise the use case of intruder detection in smart home for FS\_Sensing which has captured into TR22.837 | 2176r3 for approval day  Rev4: noted (DT concern) | Revised to S1-222302 |
| 03 | 7.3 | [**S1-222177**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222177.zip) | OPPO | Scope of TR 22.840 on study of ambient power-enabled IoT | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 a scope statement for TR22.840 | 2177r4 for approval day  Rev4: still concerns about keeping the note or not (about the KPI) | Noted |
| 03 | 7.12 | [**S1-222178**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222178.zip) | China Mobile International Ltd | EnergyServ TR 22.882 skeleton | draft TR | [22.882](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | 2178r3 pre-agreed (No Normative Annexes) | Revised to S1-222412 |
| 05 | 7.12 | [**S1-222179**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222179.zip) | China Mobile International Ltd | pCR EnergyServ adding scope | pCR | [22.882](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | 2179r2 agreed ( The present document ) | Revised to S1-222413 |
| 07 | 7.12 | [**S1-222180**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222180.zip) | China Mobile International Ltd | pCR EnergyServ adding overview | pCR | [22.882](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | 2180r3 for approval day | Revised to S1-222414 |
| 04 | 7.3 | [**S1-222181**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222181.zip) | OPPO | Definitions related to Ambient IoT | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 provides a Text Proposal for the definitions related to Ambient IoT. | o: Qualcomm, Ericsson | Noted |
| 09 | 7.12 | [**S1-222182**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222182.zip) | China Mobile International Ltd | pCR EnergyServ adding gap analysis | pCR | [22.882](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | 2182r1 pre-agreed | Revised to S1-222415 |
| 16 | 7.12 | [**S1-222183**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222183.zip) | China Mobile International Ltd | pCR EnergyServ use case of reusing location information for PLMN and NPN of the same operator to save energy | pCR | [22.882](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | 2183r2 for approval day  O: Nokia | Noted |
| 08 | 3 | [**S1-222184**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222184.zip) | China Mobile International Ltd | Reply LS on 5GC information exposure to UE | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [FS\_AIMLsys](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=940071) |  | Included in NWM thread | Noted |
| 44 | 7.3 | [**S1-222185**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222185.zip) | Huawei Technologies France | pCR new use case-smart livestock farming | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 provides a TP to TR 22.840 on the new use case of enabling smart livestock farming with Ambient IoT. | 2185r2 for approval day  o: Ericsson  Rev3: 2nd editor's note after KPI table proposed to be deleted  Still unclear to Ericsson, problem with distance concept | Noted |
| 26 | 3 | [**S1-222186**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222186.zip) | China Mobile International Ltd | Reply LS on DN energy efficiency data analytics | LS out |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  | Included in NWM thread | Noted |
| 45 | 7.3 | [**S1-222187**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222187.zip) | OPPO | New use case: Indoor positioning in shopping centre using Ambient IoT | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 provides a Text Proposal for the use case about indoor positioning in shopping centre using Ambient IoT. | 2187r4 for approval day  C: Huawei  Rev6: agreed | Revised to S1-222376 |
| 24 | 7.3 | [**S1-222188**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222188.zip) | Huawei Technologies France | Pseudo-CR on updates to KIP table for Intralogistics (clause 5.5) | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 provides a TP to TR 22.840 to update KPI table in clause 5.5 on the use case of intralogistics in automobile manufacturing using Ambient IoT. | 2188r2 for approval day  o: Ericsson  Rev3: editor's note to be removed  Rev4 agreed  This will be a controversial topic, to be noted as such | Revised to S1-222368 |
| 17 | 3 | [**S1-222189**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222189.zip) | China Mobile International Ltd | Reply LS on Support for managing slice for trusted third-party owned application | LS out |  |  |  |  |  | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [FS\_NSCALE](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910022) |  | Included in NWM thread  China Mobile’s draft reply to 74: "SA1 has no such requirements on managing UEs with different qualities/priority level with a slice. SA1 will take this requirement into consideration and provide a related CR."  R1: no requirement but a CR is attached to add the requirement.  Samsung commented that all sentences in the CR need to be fixed. | Noted |
| 11 | 7.3 | [**S1-222190**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222190.zip) | OPPO | Moderated discussion on Ambient power-enabled IoT | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) | Summary slides for moderated discussion on Ambient power-enabled IoT | Just for info. | Noted |
| 18 | 3 | [**S1-222191**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222191.zip) | China Mobile International Ltd | TS22.261 CR Requirement on different SLA for different UEs within a slice | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0652 |  | B | 18.6.1 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [FS\_NSCALE](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=910022) |  | Included in NWM thread  Wrong WI code  Rev2: DT: Cat "F" is not correct, this is not a correct but something intended to be added  DT is open to discuss it for Rel-19, with proper WID. | Noted |
| 29 | 7.4 | [**S1-222192**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222192.zip) | China Mobile International Ltd | pCR Metaverse use case of supporting UE service continuity and quality assurance between different operators in metaverse services | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | 2192r1 for approval day  O: DT  Rev2: not presented, noted | Noted |
| 05 | 7.3 | [**S1-222193**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222193.zip) | Huawei Technologies France | Discussion Paper: on differentiating Ambient IoT from existing IoT technologies and proposal for definition and scope in TR 22.840 | discussion | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  |  | [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 discusses the open issues of TR 22.840 Ambient IoT on the Scope and definition and proposes the way forward. |  | Noted |
| 30 | 7.4 | [**S1-222194**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222194.zip) | China Mobile International Ltd | pCR Metaverse use case on supporting multi-application coordination in metaverse | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | 2194r2 for approval day | Revised to S1-222389 |
| 15 | 7.11 | [**S1-222195**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222195.zip) | China Mobile International Ltd | pCR DualSteer use case of supporting MUSIM of different PLMNs coordination for the same service | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  |  | Noted |
| 47 | 7.3 | [**S1-222196**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222196.zip) | Haier W. W. | pCR New use case: Ambient\_IoT enablement of smart laundry | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 would like to propose a new use case on Ambient IoT services in smart laundry. | 2196r4 for approval day  o: Ericsson  Rev5: agreed | Revised to S1-222377 |
| 06 | 7.3 | [**S1-222197**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222197.zip) | Huawei Technologies France | Pseudo-CR on updates for IoT Clause 1 and Clause 3.1 (FS-AmbientIoT) | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [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 provides TR 22.840 with text proposals for Clause 1 (Scope) and Clause 3.1 (Definitions). Discussion Paper S1-222193 provides more detailed information for this contribution. | 2197r2 for approval day | Revised to S1-222361 |
| 49 | 7.3 | [**S1-222198**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222198.zip) | Haier W. W. | pCR New use case: Ambient\_IoT in automated supply distribution | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2198r5 for approval day  Rev6 agreed | Revised to S1-222378 |
| 54 | 7.2 | [**S1-222199**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222199.zip) | vivo | Use case of sleep monitoring | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This document provides a Text Proposal for the use of communication assisted sensing service about smart sleeping monitoring. | 2199r3 for approval day  O: DT. Editor's note to be added to req 3.  R7: delete editor's note on KPI table  Rev8 agreed | Revised to S1-222316 |
| 56 | 7.2 | [**S1-222200**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222200.zip) | vivo | Use case of sports monitoring | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | This document provides a Text Proposal for the use of communication assisted sensing service about smart sleeping monitoring. | 2200r6 for approval day  c: DT  rev6: agreed | Noted |
| 15 | 7.8 | [**S1-222201**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222201.zip) | Huawei Technologies R&D UK | Pseudo-CR on Use case of Information Exchange between ships at sea | pCR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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) |  | 2201r4 for approval day  c: Ericsson, Qualcomm  Rev5: "shall support " could be replaced by "shall be able to support", but this can be done next time.  Changes on changes  Rev6 agreed | Revised to S1-222331 |
| 26 | 7.3 | [**S1-222202**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222202.zip) | China Telecommunications | Pseudo-CR 22.840 – updating use case for Ambient power-enabled IoT sensors in smart homes | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2202r1 for approval day  o: Ericsson  Rev2: delete editor's note  Rev3 agreed | Revised to S1-222369 |
| 01 | 5 | [**S1-222203**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222203.zip) | Huawei Technologies R&D UK | Clean-up of the references for quality improvement | CR | [22.261](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3107) | 0653 |  | D | 18.6.1 | [Rel-18](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=193) | [TEI18](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=920042) |  | 2203r1 agreed | Revised to S1-222297 |
| 65 | 7.2 | [**S1-222204**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222204.zip) | Ericsson GmbH, Eurolab | Security considerations for sensing | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) | Proposal to bring in some general requirement under considerations for confidentiality, integrity, and availability | 2204r3 for approval day  Last day: no objection but this is to be considered at the next meeting  So was "Agreed (No comments received)" but changed.  Rev4: editor's note to be added to say "needs further work" (this would apply to 2112, 2113 and 2114). Agreed with this. | Revised to S1-222320 |
| 18 | 7.7 | [**S1-222205**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222205.zip) | China Telecommunications | Use case of direct device connection assisted remote control operation for robotics service | pCR | [22.876](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4093) |  |  |  | 0.0.0 | [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) |  | 2205r4 for approval day  O: Nokia  Rev5: still not stable | Noted |
| 09 | 7.3 | [**S1-222206**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222206.zip) | KPN N.V. | Power scenarios for Ambient IoT | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2206r4 for approval day  Rev5: edited online  Rev6: agreed | Revised to S1-222362 |
| 17 | 7.8 | [**S1-222207**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222207.zip) | China Telecommunications | New use case of UAVs using satellite access | pCR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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) |  | 2207r3 for approval day  c:Qualcomm  rev4: agreed (already includes "shall be able to support") | Revised to S1-222332 |
| 22 | 7.3 | [**S1-222208**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222208.zip) | KPN N.V. | Update of traffic scenario 6.1 with power scenario | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2208r2 for approval day  o: Ericsson  Rev3: agreed, clean-up needed  Rev4: agreed | Revised to S1-222367 |
| 11 | 7.2 | [**S1-222209**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222209.zip) | Huawei Technologies Sweden AB | pCR on Sensing service KPI table | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  |  | Merge into 2108r3 |
| 03 | 7.11 | [**S1-222210**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222210.zip) | Qualcomm | TR 22.841\_FS\_DualSteer\_Skeleton | other | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  |  |  | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  |  | Agreed |
| 04 | 7.11 | [**S1-222211**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222211.zip) | Qualcomm | TR 22.841\_scope pCR | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | 2211r4 for approval day  Rev4: Nokia: SA2 language in SA1 study  Noted | Noted |
| 16 | 7.11 | [**S1-222212**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222212.zip) | Qualcomm | Use Case on single-PLMN dual-3GPP access | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | 2212r4 for approval day  O: Huawei  Rev4: Editor'sNote proposed to be rephrased (behind terminology add: "w.r.t. right SA1 wording to address upper-layer") but this was not accepted e.g. by Nokia because of the terms " upper-layer". Then proposed not to distinguish in SA1 between user plane/control plane.  No compromised found. | Noted |
| 11 | 7.12 | [**S1-222213**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222213.zip) | Huawei Technologies Sweden AB | Existing Energy Efficiency standardisation | discussion |  |  |  |  |  | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) |  |  |  | Noted |
| 17 | 7.11 | [**S1-222214**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222214.zip) | Qualcomm | Use Case on PLMN plus PLMN-SNPN dual-3GPP access | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | 2214r5 for approval day | Revised to S1-222340 |
| 12 | 7.12 | [**S1-222215**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222215.zip) | Huawei Technologies Sweden AB | pCR on existing Energy Efficiency standardisation | pCR | [22.882](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4096) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_EnergyServ](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960019) |  |  | Merge into 2182r1 |
| 19 | 7.11 | [**S1-222216**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222216.zip) | Qualcomm | Use Case on inter-PLMN dual-3GPP access\_dual-RAT | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | 2216r4 for approval day | Revised to S1-222341 |
| 19 | 7.8 | [**S1-222217**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222217.zip) | Huawei Technologies R&D UK | Pseudo-CR on Use case of data transfer for IoT devices in remote areas | pCR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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) |  | 2217r3 for approval day  c: Qualcomm, Ericsson  rev4: changes on the screen  rev5 agreed | Revised to S1-222333 |
| 14 | 7.9 | [**S1-222218**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222218.zip) | Huawei Technologies Sweden AB | New use case: 3GPP network as an information source to the UTM | pCR | [22.843](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4090) |  |  |  | 0.0.0 | [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) |  | 2218r1 for approval day  c: New version  Rev3: figures updated | Noted |
| 21 | 7.8 | [**S1-222219**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222219.zip) | NOVAMINT, Sateliot, GateHouse | Use case store and forward - MO | pCR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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) |  | 2219r4 for approval day | Revised to S1-222334 |
| 23 | 7.8 | [**S1-222220**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222220.zip) | NOVAMINT | Use case store and forward - MT | pCR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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) |  | FS\_5GSAT\_Ph3\_10] 2220r4 for approval day c: Qualcomm | Revised to S1-222335 |
| 21 | 7.11 | [**S1-222221**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222221.zip) | CableLabs | FS\_DualSteer - New use case for Inter-PLMN mobility scenario | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | 2221r4 for approval day | Revised to S1-222342 |
| 09 | 7.2 | [**S1-222222**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222222.zip) | T-Mobile Polska S.A. | Pseudo-CR on scope of the Sensing study item | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [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 text into the first clause of the study. | 2222r4 for approval day | Revised to S1-222301 |
| 51 | 7.3 | [**S1-222223**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222223.zip) | KPN N.V. | Traffic scenario for dairy cow stable | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | 2223r2 for approval day | Revised to S1-222379 |
| 06 | 7.1 | [**S1-222224**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222224.zip) | Hansung University, LGUplus, KT, ETRI | Pseudo-CR on a use case for the operation of platform screen doors of the smart railway | pCR | [22.890](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3699) |  |  |  | 0.6.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RAILSS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850044) | A new use case is proposed to operate the platform screen doors of the smart railway station. To operate the screen doors, many devices in the platform including CCTVs are monitored and controlled by the smart railway station system automatically and the train drivers manually via the 5G system. In this contribution, a use case for the operation of platform screen doors is described and potential requirements are proposed. | 2224r2 pre-agreed  Rev4: UIC still has concerns on 8.x.6 because of: 1st req: application layer 2nd req: unclear in scope ; 3rd req: not grammatically correct  Rev6: "emergency alerts" to be changed to "an emergency alerty", blue highlight to be removed  Rev7 agreed | Revised to S1-222356 |
| 08 | 7.1 | [**S1-222225**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222225.zip) | Hansung University, LGUplus, KT, ETRI | a use case of automatic monitoring of railway smart station | pCR | [22.890](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3699) |  |  |  | 0.6.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RAILSS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850044) | A new use case is proposed to make automatic monitoring of railway smart station. It is carried out through dozens of CCTVs, a controller staff could not check all the CCTVs at a moment. To assist monitoring CCTV, an AI system gives help to the controller. The system examines dozens of CCTVs, determines an abnormal situation, and sends a warning message to the controller when the situations occurs such as illegal riding, neglected wandering of suspicious object, unauthorized entry, or user falls from the platform. | Rev4: 2 new requirements are proposed.  For UIC, these requirements on platform/CCTV should not be mixed with the other, existing requirements on train-to-ground.  Several typos ("Note 1/2", "number of CCTV is 1" when it seems to be 16, etc.)  Rev6: potential problem with the figure  Rev7: figure solved | Revised to S1-222357 |
| 04 | 7.2 | [**S1-222226**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222226.zip) | T-Mobile Polska S.A. | Pseudo-CR on introducing wireless sensing definition | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [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 introducing the definition of wireless sensing. |  | Noted |
| 26 | 7.8 | [**S1-222227**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222227.zip) | Sateliot, GateHouse, Novamint | Description of store and forward operation | pCR | [22.865](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4089) |  |  |  | 0.0.0 | [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) |  | FS\_5GSAT\_Ph3\_11] 2227r3 for approval day o: Qualcomm | Revised to S1-222336 |
| 10 | 7.1 | [**S1-222228**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222228.zip) | Hansung University, LGUplus, KT, ETRI | A use case of railway smart station telemetry | pCR | [22.890](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3699) |  |  |  | 0.6.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RAILSS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850044) | A use case provides contents for telemetry of railway smart station. |  | Noted |
| 11 | 7.1 | [**S1-222229**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222229.zip) | Hansung University, LGUplus, KT, ETRI | A use case of user experience of railway smart station | pCR | [22.890](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3699) |  |  |  | 0.6.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RAILSS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850044) | This use case shows user experiences of railway smart station. |  | Noted |
| 03 | 7.13 | [**S1-222230**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222230.zip) | LG Electronics Inc. | SOBOT TR Skeleton | draft TR | [22.916](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_SOBOT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) |  | FS\_SOBOT\_skeleton]  Rev3: the proposed structure seems to be overwhelmingly complex to Qualcomm and KPN.  Rev6: KPN and Nokia: still unclear what "New aspects" means  MCC: if skeleton not agreeable, then everything else is blocked. So better to revert to standard template.  Not agreeable as such.  All specific structure/sections to be deleted  Rev7: agreed as a basis for future contribution (with all sections after section 5 deleted) | Revised to S1-222343 |
| 12 | 7.1 | [**S1-222231**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222231.zip) | Hansung University, LGUplus, KT, ETRI | A use case of railway smart station announcements | pCR | [22.890](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3699) |  |  |  | 0.6.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RAILSS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850044) | A use case provides how to make railway smart station announcements to various environment of users, e.g. passengers. |  | Noted |
| 05 | 7.13 | [**S1-222232**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222232.zip) | LG Electronics Inc. | SOBOT TR Scope | pCR | [22.916](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_SOBOT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) |  | 2232r1 for approval day | Revised to S1-222344 |
| 14 | 7.1 | [**S1-222233**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222233.zip) | Hansung University, LGUplus, KT, ETRI | Pseudo-CR on conclusion and recommendations for RAILSS | pCR | [22.890](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3699) |  |  |  | 0.6.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RAILSS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850044) | This contribution provides contents for the conclusion and recommendations for RAILSS. | tdoc will be opened during approval day  rev6: this includes req from 2224  Qualcomm: 2 requirements to be deleted (already covered) | Revised to S1-222358 |
| 08 | 7.13 | S1-222234 | LG Electronics Inc. | Planning for SOBOT TR - Supplementary material | other |  |  |  |  |  |  |  | Intended to share thoughts in planning for SOBOT TR |  | Withdrawn |
| 53 | 7.3 | [**S1-222235**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222235.zip) | Apple | Use case on Ambient IoT Device Activation and Deactivation | pCR | [22.840](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4045) |  |  |  | 0.1.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_AmbientIoT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950004) |  | orig. for approval day  Rev1: editor's note added as per Huawei's request. | Revised to S1-222380 |
| 08 | 7.3 | [**S1-222236**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222236.zip) | Apple | Ambient IoT device power source profile | discussion |  |  |  |  |  |  |  |  |  | Noted |
| 05 | 7.2 | [**S1-222237**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222237.zip) | Apple | 'Sensing Measurement', 'Sensing Result' and 'Integrated Sensing and Communication' definitions | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | 2237r5 pre-agreed (sensing result: the information derived from processing sensing measurements data. NOTE: Examples of sensing result are characteristics of an object or environment, etc.)) | Revised to S1-222300 |
| 16 | 7.2 | [**S1-222238**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222238.zip) | Apple | Indication for UE sensing intention | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [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 |
| 57 | 7.2 | [**S1-222239**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222239.zip) | Apple | Use case on Protection of Sensing Information | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | 2239r4 for approval day | Revised to S1-222317 |
| 07 | 7.13 | [**S1-222240**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222240.zip) | LG Electronics Inc. | Online cooperative 3D map building (focused on ProSe-based scenario) | pCR | [22.916](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4097) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_SOBOT](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960020) | a new use case on online cooperative 3D map building with the focus on ProSe-based scenario | 2240r3 for approval day  O: Nokia  Rev7: uploaded not in time, too late for Nokia | Noted |
| 59 | 7.2 | [**S1-222241**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222241.zip) | Philips International B.V. | New use case on distributed wireless sensing | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | 2241r3 for approval day | Revised to S1-222318 |
| 61 | 7.2 | [**S1-222242**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222242.zip) | Philips International B.V. | New use case on wireless sensing handover | pCR | [22.837](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4044) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Sensing](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950003) |  | 2242r2 for approval day  O: DT. Editor's note to be removed  Rev3: agreed | Revised to S1-222319 |
| 38 | 7.4 | S1-222243 | Philips International B.V. | New use case on synchronized predictive avatars | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.0.0 | [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 |
| 32 | 7.4 | [**S1-222244**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222244.zip) | Philips International B.V. | New use case on synchronized predictive avatars | pCR | [22.856](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4046) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_Metaverse](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=950005) |  | 2244r3 for approval day  O: Samsung  Rev4: agreeable by Samsung. Qualcomm: remove "metaverse" in 1st requirement.  Rev5 agreed | Revised to S1-222390 |
| 03 | 7.1 | [**S1-222245**](https://www.3gpp.org/ftp/tsg_sa/WG1_Serv/TSGS1_99e_EM_Aug2022/Docs/S1-222245.zip) | Kyonggi University | Pseudo-CR on <minor editorial corrections on Clauses 7.1 and 7.3 > | pCR | [22.890](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=3699) |  |  |  | 0.5.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_RAILSS](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=850044) | In this pCR, newly defined terms ‘Mobile Intelligent Assistant’ and ‘Railway Smart Station’ has been considered. | 2245r2 agreed | Revised to S1-222355 |
| 07 | 7.11 | S1-222246 | Lockheed Martin | FS\_DualSteer Use Case - Vehicle/UE connecting to NTN+NTN access networks | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | 2246r5 for approval day  o: Nokia  Mote time needed in between meetings | Noted |
| 08 | 7.11 | S1-222247 | Lockheed Martin | FS\_DualSteer Use Case - UE on Vehicle connecting to NTN+TN access networks (PLMN/NPN) | pCR | [22.841](https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4095) |  |  |  | 0.0.0 | [Rel-19](https://portal.3gpp.org/desktopmodules/Release/ReleaseDetails.aspx?releaseId=194) | [FS\_DualSteer](https://portal.3gpp.org/desktopmodules/WorkItem/WorkItemDetails.aspx?workitemId=960018) |  | 2247r5 for approval day  o:Nokia  Mote time needed in between meetings | Noted |
| 02 | 6.1 | S1-222248 | BT | Emergency Calls- Adding two extra types | CR | 22.101 | 0587 |  |  | 18.4.0 | Rel-18 | TEI18 | The CR adds two types of emergency calls: Test and Power Network. | DT explained that some national emergency call types can be used on top of the internationally defined ones in the standard.  BT answered that, within the UK, access to Emergency Service is a licensed condition. They operate within the license conditions which state that they need to do everything possible to give customers access to the Emergency Service Network.  For DT, there is no need to have a dedicated type to support e.g. Power Network.  This is to be continued off-line.  Ericsson clarified that, in IMS the"test" is a specific top level service label different from "sos", and "test for sos" is one of them. | Noted |
| 34 | 7.4 | S1-222249 | Intel | FS\_Metaverse Use Case: Mission Critical Metaverse HealthCare- Surgeries, Education, Consultation and Body scans/vitals. | pCR | 22.856 |  |  |  |  |  |  |  | 2249r2 for approval day  O: Qualcomm: issue with terminology, KPI table (jitter): Reqs need rewording, plus issues with the KPI table (jitter, reliability, overall format…)  Edited while projecting  Rev3 agreed | Revised to S1-222391 |
| 63 | 7.2 | S1-222250 | Intel | FS\_Sensing Use Case: Simultaneous Localization and Mapping(SLAM) for Advanced Extended Reality (XR), Autonomous vehicles and Drones. | pCR | 22.856 |  |  |  |  |  |  |  |  | Merge into 2030r2 |
| 13 | 3 | S1-222251 | Deutsche Telekom | alternative draft reply to S1-222074 | LS draft |  |  |  |  |  |  |  |  | Included in NWM thread  DT's draft reply to 74: "we don't have a requirement and we don't want to have one".  Agreeed as rev1. | Revised to S1-222262 |
| 12 | 7.3 | S1-222252 | Oppo | Moderated discussion on Ambient power-enabled IoT(Call#2) | Report |  |  |  |  |  |  |  |  | Just for info. | Noted |
| 06 | 3 | S1-222253 | Oppo | Clarification on requirement related to 5GC information exposure to UE | CR | 22.261 | 0654 |  | B | 18.6.1 | Rel-18 | TEI18? |  | Included in NWM thread | Noted |
| 16 | 7.1 | S1-222254 | Hansung University | FS\_RAILSS consolidated requirements | pCR | 22.890 |  |  |  |  |  |  |  | 2254 R3 includes only the requirements already in the TR, not the new requirements introduced in this meeting.  Rev6: agreed, wait for 2233 to be agreed | Revised to S1-222359 |
| 10 | 3 | S1-222255 | SA1 Chair | Daily NWM report of [SA1#99e, LS S1-222066] - https://nwm-trial.etsi.org/#/documents/7953 |  |  |  |  |  |  |  |  |  |  | Noted |
| 22 | 3 | S1-222256 | SA1 Chair | Daily NWM report of [SA1#99e, LS S1-222074] - https://nwm-trial.etsi.org/#/documents/7960 |  |  |  |  |  |  |  |  |  | Orig and r1 available for info. | Noted |
| 27 | 3 | S1-222257 | SA1 Chair | Daily NWM report of [SA1#99e, LS S1-222073] - https://nwm-trial.etsi.org/#/documents/7964 |  |  |  |  |  |  |  |  |  |  | Noted |
| 07 | 7.2 | S1-222258 | SA1 Chair | Daily NWM report of [SA1#99e, FS\_Sensing\_definitions] - https://nwm-trial.etsi.org/#/documents/7966 |  |  |  |  |  |  |  |  |  | Just for info. | Noted |
| 06 | 2 | S1-222259 | SA1 Chair | Opening slides of SA1#99e |  |  |  |  |  |  |  |  |  | Just for info. | Noted |
| 08 | 4 | S1-222260 | Vivo | Visiting a PIN after remote provisioning within home PIN | CR | 22.261 | 0655 |  |  |  |  |  | To replace S1-222054, for another TS.  Add requirement for the 5GS to manage accessing a visit PIN. | Rev4: For Ericsson and Nokia, there is still an issue: it is not clear whether it is the guest PIN or the home PIN that is used.  For Vivo, this can be clarified.  To be continued off-line.  R5: Ericsson does not see any need for this CR since they see that the functionality is already supported.  Qualcomm has no basic disagreement with the CR but needs to review the text more carefully.  For Nokia and KPN, this is combining 2 different PINs, so they have to further check if this is covered or not.  To be continued off-line. | Noted |
| 18 | 7.1 | S1-222261 | Rapporteur (Hansung University) | TR 22.890 v0.6.2 | TR |  |  |  |  |  |  |  | One input agreed at SA1#98 was forgotten to be included | This is the (corrected) output version of the previous meeting.  Agreed as a basis for future contributions" (not "agreed to present to SA") | Agreed |
| **14** | 3 | S1-222262 | Deutsche Telekom | LS to SA6 on Support for managing slice for trusted third-party owned application | LS out |  |  |  |  |  |  |  | alternative draft reply to S1-222074  Replaces S1-222251 | Revision of S1-222251. Same as r1 (accepting changes) | Agreed |
| 01 | 6.2 | S1-222263 | ZTE Corporation | Adding requirements on maximum capacity of network slicing | CR | 22.261 | 0656 | A |  |  | Rel-18 |  | Mirror of 2126 |  |  |
| **07** | 3 | S1-222264 | Oppo | Discussion on 5GC information exposure to UE” discussion | other |  |  |  |  |  |  |  |  | Not acceptable at least for DT and DoCoMo.  Instead, SA1 agrees to say that this was not discussed in Rel-18 and therefore there is no Rel-18 requirement.  This is what should be reflected in the LS.  With this, the NWM thread is closed. | Noted |
| 19 | 7.1 | S1-222265 | Rapporteur (Hansung university) | pCR on TR clean-up |  |  |  |  |  |  |  |  |  | Rev2 agreed | Revised to S1-222360 |
| 15 | 3 | S1-222266 | S6-222340 | Reply LS on Reply LS on Support for managing slice for trusted third-party owned application | LS in |  |  |  |  |  |  |  |  | The answer is not "urgent" to SA6 but would be appreciated.  Answers in 2267, 2189(r1), 2027(r1) | Replied into 2267 |
| 16 | 3 | S1-222267 | Deutsche Telekom | New response to Reply LS on Reply LS on Support for managing slice for trusted third-party owned application | LS out |  |  |  |  |  |  |  | Proposed answer "no, there is no requirement". | First question asked by the chair to the group: is there an existing requirement? If no, do we need a CR?  For DT, Samsung's requirement is about dynamic policy control and does not really apply here. It is not about de-registation, etc.  KPN, Telefonica, Qualcomm and Ericsson agree with DT.  Q: Who think that there is a requirement covering SA6's scenario?  A: 1 company (Samsung)  Q: Who thinks that there is no requirement to cover SA6's scenario (DT's view)?  A: 11 companies  Q: Who thinks that there is no requirement to cover SA6's scenario and we need one (CMCC's view)?  A: 4 companies  Q: who thinks there is no requirement and we do not need one in Rel-18?  A: 6 companies  Conclusion: it will not be possible to agree a CR in the current context.  Kept open.  Last day: agreed that there is no requirement (in Rel-18, which is the implicit context), and no CR can be agreed (at least, DT's objection) | Agreed |
| 04 | 2 | S1-222268 | SA1 Chairperson & ETSI MCC | Guidelines for SA1#99e (e-meeting) |  |  |  |  |  |  |  |  |  |  | Noted |
|  | 99 | S1-222269 |  | Reserved |  |  |  |  |  |  |  |  |  |  | Withdrawn |
| 01 | 7.1.1 | S1-222270 | Rapporteur (Hansung University) | Cover sheet for approval of the TR22.890 |  |  |  |  |  |  |  |  |  | tdoc will be opened during approval day | Agreed |
| 02 | 7.1.1 | S1-222271 | Rapporteur (Hansung University) | TR22.890v0.7.0 Study on Supporting of Railway Smart Station Services |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 7.2.1 | S1-222272 | Rapporteur (Deutsche Telekom) | TR 22.837v0.2.0 Study on Integrated Sensing and Communication |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 7.3.1 | S1-222273 | Rapporteur (OPPO) | TR 22.840v0.2.0 Study on Ambient power-enabled Internet of Things |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 7.4.1 | S1-222274 | Rapporteur (Samsung) | TR 22.856v0.2.0 Study on Localized Mobile Metaverse Services |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 7.5.1 | S1-222275 | Rapporteur (China Unicom) | TR 22.851v0.2.0 Study on Network Sharing Aspects |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 7.7.1 | S1-222276 | Rapporteur (OPPO) | TR 22.874v0.2.0 Study on AI/ML Model Transfer\_Phase2 |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 7.8.1 | S1-222277 | Rapporteur (NOVAMINT) | TR 22.865v0.1.0 Study on Satellite Access Phase 3 |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 7.9.1 | S1-222278 | Rapporteur (China Mobile) | TR 22.843v0.1.0 Study on UAV Phase 3 |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 7.10.1 | S1-222279 | Rapporteur (Ericsson) | TR 22.877v0.1.0 Study on roaming value added services |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 7.11.1 | S1-222280 | Rapporteur (Qualcomm) | TR 22.841v0.1.0 Study on Upper layer traffic steering, switching and split over dual 3GPP access |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 7.12.1 | S1-222281 | Rapporteur (China Mobile) | TR 22.882v0.1.0 Study on Energy Efficiency as service criteria |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 7.13.1 | S1-222282 | Rapporteur (LGE) | TR 22.916v0.1.0 Study on Network of Service Robots with Ambient Intelligence |  |  |  |  |  |  |  |  |  | First draft by Tuesday 6th 23:00 UTC Comments till Thurs 8th 23:00UTC Final version by Fri 9th 23:00UTC | Agreed |
| 01 | 10.2 | S1-222283 | Hansung University | FS\_RAILSS Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 02 | 10.2 | S1-222284 | Deutsche Telekom | FS\_Sensing Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 03 | 10.2 | S1-222285 | OPPO | FS\_AmbientIoT Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 04 | 10.2 | S1-222286 | Samsung | FS\_Metaverse Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 05 | 10.2 | S1-222287 | China Unicom | FS\_NetShare Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 06 | 10.2 | S1-222288 | UIC | FS\_FRMCS\_Ph3 Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 07 | 10.2 | S1-222289 | OPPO | FS\_AIML\_Ph2 Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 08 | 10.2 | S1-222290 | Ericsson | FS\_RVAS Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 09 | 10.2 | S1-222291 | Novamint | FS\_ 5GSAT\_Ph3 Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 10 | 10.2 | S1-222292 | China Mobile | FS\_UAV\_Ph3 Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 11 | 10.2 | S1-222293 | Qualcomm | FS\_DualSteer Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 12 | 10.2 | S1-222294 | China Mobile | FS\_EnergieServ Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 13 | 10.2 | S1-222295 | LGE | FS\_SOBOT Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 03 | 4 | S1-222296 | China Mobile | Revised SID on UAV Phase 3 |  |  |  |  |  |  |  |  |  | Moved from 7.9 Same as 2160r1 | Agreed |
| 02 | 5 | S1-222297 | Huawei | 22.261v18.6.1 Clean-up of the references for quality improvement |  |  |  |  |  |  |  |  |  | Revision of S1-222203. Same as 2203r1 No presentation | Agreed |
| 02 | 6.2 | S1-222298 | ZTE | 22.261v17.10.0 Adding requirements on maximum capacity of network slicing |  |  |  |  |  |  |  |  |  | B Revision of S1-222126. Same as 2126r3 | Agreed |
| 04 | 6.2 | S1-222299 | ZTE | 22.261v18.6.1 Adding requirements on maximum capacity of network slicing |  |  |  |  |  |  |  |  |  | Revision of S1-222146. Same as 2146r5 | Agreed |
| 06 | 7.2 | S1-222300 | Apple | 'Sensing Measurement', 'Sensing Result' and 'Integrated Sensing and Communication' definitions |  |  |  |  |  |  |  |  |  | Revision of S1-222237. Same as 2237r5 | Agreed |
| 10 | 7.2 | S1-222301 | T-Mobile | Pseudo-CR on scope of the Sensing study item |  |  |  |  |  |  |  |  |  | Revision of S1-222222. Same as 2222r3 | Agreed |
| 15 | 7.2 | S1-222302 | OPPO | Update for Use case of intruder detection in smart home |  |  |  |  |  |  |  |  |  | Revision of S1-222176. Same as 2176r5 | Agreed |
| 18 | 7.2 | S1-222303 | Huawei, CAICT | Update of Clause 5.2\_use case of intrusion detection on a highway |  |  |  |  |  |  |  |  |  | Revision of S1-222106. Same as 2106r3 | Agreed |
| 20 | 7.2 | S1-222304 | China Telecom | Update of Use Case of Rainfall Monitoring |  |  |  |  |  |  |  |  |  | Revision of S1-222167. Same as 2167r1 | Agreed |
| 23 | 7.2 | S1-222305 | Samsung | 22.837 pCR - Transparent Sensing Use Case |  |  |  |  |  |  |  |  |  | Revision of S1-222030. Same as 2030r7 No presentation | Agreed |
| 27 | 7.2 | S1-222306 | NTT DOCOMO | Pseudo-CR on Use case of sensing for flooding in smart cities |  |  |  |  |  |  |  |  |  | Revision of S1-222095 Same as 2095r2 No presentation | Agreed |
| 29 | 7.2 | S1-222307 | NTT DOCOMO | Pseudo-CR on Use case of site monitoring in smart home |  |  |  |  |  |  |  |  |  | Revision of S1-222096. Same as 2096r3 No presentation | Agreed |
| 31 | 7.2 | S1-222308 | NTT DOCOMO | Pseudo-CR on Use case of sensing for railway intrusion detection |  |  |  |  |  |  |  |  |  | Revision of S1-222097. Same as 2097r2 No presentation | Agreed |
| 34 | 7.2 | S1-222309 | Qualcomm | Sensing-assisted automotive maneuvering and navigation |  |  |  |  |  |  |  |  |  | Revision of S1-222098. Same as 2098r8 No presentation | Agreed |
| 36 | 7.2 | S1-222310 | Qualcomm | Automated Guided Vehicle detection and tracking in factories |  |  |  |  |  |  |  |  |  | Revision of S1-222099. Same as 2099r8 No presentation | Agreed |
| 38 | 7.2 | S1-222311 | Qualcomm | UAV Flight Trajectory Tracing |  |  |  |  |  |  |  |  |  | Revision of S1-222100. Same as 2100r9 No presentation | Agreed |
| 43 | 7.2 | S1-222312 | ZTE | New UC: Guaranteed sensing in NLOS scenario |  |  |  |  |  |  |  |  |  | Revision of S1-222120. Same as 2120r6 No presentation | Agreed |
| 46 | 7.2 | S1-222313 | ZTE | New UC: Network assisted sensing to avoid UAV collision |  |  |  |  |  |  |  |  |  | Revision of S1-222118. Same as 2118r6 No presentation | Agreed |
| 49 | 7.2 | S1-222314 | China Mobile | New use case\_Sensing for UAV intrusion detection |  |  |  |  |  |  |  |  |  | Revision of S1-222155. Same as 2155r6 No presentation | Agreed |
| 53 | 7.2 | S1-222315 | China Mobile | New use case\_Sensing for Tourist spot traffic management |  |  |  |  |  |  |  |  |  | Revision of S1-222157. Same as 2157r8 No presentation | Agreed |
| 55 | 7.2 | S1-222316 | vivo | Use case of sleep monitoring |  |  |  |  |  |  |  |  |  | Revision of S1-222199. Same as 2199r8 No presentation | Agreed |
| 58 | 7.2 | S1-222317 | Apple | Use case on Protection of Sensing Information |  |  |  |  |  |  |  |  |  | Revision of S1-222239. Same as 2239r4 No presentation No presentation | Agreed |
| 60 | 7.2 | S1-222318 | Philips | New use case on distributed wireless sensing |  |  |  |  |  |  |  |  |  | Revision of S1-222241. Same as 2241r3 No presentation | Agreed |
| 62 | 7.2 | S1-222319 | Philips | New use case on wireless sensing handover |  |  |  |  |  |  |  |  |  | Revision of S1-222242. Same as 2242r3 No presentation | Agreed |
| 66 | 7.2 | S1-222320 | Ericsson, Eurolab | Security considerations for sensing |  |  |  |  |  |  |  |  |  | Revision of S1-222204. Same as 2204r4 No presentation | Agreed |
| 68 | 7.2 | S1-222321 | Xiaomi | Sensing privacy consideration |  |  |  |  |  |  |  |  |  | Revision of S1-222112. Same as 2112r2 No presentation | Agreed |
| 70 | 7.2 | S1-222322 | Xiaomi | Sensing public safety consideration |  |  |  |  |  |  |  |  |  | Revision of S1-222113. Same as 2113r1 No presentation | Agreed |
| 03 | 7.6 | S1-222323 | UIC | 22.989 v19.0.0 Enhancement and clean-up of Railway Emergency Communication related use cases |  |  |  |  |  |  |  |  |  | Revision of S1-222129. Same as 2129r4 No presentation | Agreed |
| 05 | 7.6 | S1-222324 | UIC | 22.989 v19.0.0 Public Train Emergency Communication related use cases |  |  |  |  |  |  |  |  |  | Revision of S1-222149. Same as 2149r3 No presentation | Agreed |
| 07 | 7.6 | S1-222325 | UIC | 22.989 v19.0.0 Railway staff Emergency Communication related use cases |  |  |  |  |  |  |  |  |  | Revision of S1-222159. Same as 2159r3 No presentation | Agreed |
| 05 | 7.8 | S1-222326 | NOVAMINT | Scope for the TR22.865 |  |  |  |  |  |  |  |  |  | Revision of S1-222090. Same as 2090r2 | Agreed |
| 07 | 7.8 | S1-222327 | NOVAMINT, Sateliot, GateHouse | new definitions and abbreviations |  |  |  |  |  |  |  |  |  | Revision of S1-222091. Same as 2091r3 No presentation | Agreed |
| 10 | 7.8 | S1-222328 | China Telecom | Use case of store and forward operation with discontinuous feeder link for delay-tolerant IoT - Inter-satellite |  |  |  |  |  |  |  |  |  | Revision of S1-222045. Same as 2045r6 No presentation | Agreed |
| 12 | 7.8 | S1-222329 | China Telecom, CATT | Use Case:Temporary LAN using satellite access |  |  |  |  |  |  |  |  |  | Revision of S1-222140. Same as 2140r6 No presentation | Agreed |
| 14 | 7.8 | S1-222330 | CATT, China Telecom | Use Case: Enhanced Positioning Service using Satellite Access |  |  |  |  |  |  |  |  |  | Revision of S1-222141. Same as 2141r6 No presentation | Agreed |
| 16 | 7.8 | S1-222331 | Huawei | Pseudo-CR on Use case of Information Exchange between ships at sea |  |  |  |  |  |  |  |  |  | Revision of S1-222201. Same as 2201r6 No presentation | Agreed |
| 18 | 7.8 | S1-222332 | China Telecom | New use case of UAVs using satellite access |  |  |  |  |  |  |  |  |  | Revision of S1-222207. Same as 2207r4 No presentation | Agreed |
| 20 | 7.8 | S1-222333 | Huawei | Pseudo-CR on Use case of data transfer for IoT devices in remote areas |  |  |  |  |  |  |  |  |  | Revision of S1-222217. Same as 2217r5 No presentation | Agreed |
| 22 | 7.8 | S1-222334 | NOVAMINT, Sateliot, GateHouse | Use case store and forward - MO |  |  |  |  |  |  |  |  |  | Revision of S1-222219. Same as 2219r4 No presentation | Agreed |
| 24 | 7.8 | S1-222335 | NOVAMINT | Use case store and forward - MT |  |  |  |  |  |  |  |  |  | Revision of S1-222220. Same as 2220r4 No presentation | Agreed |
| 27 | 7.8 | S1-222336 | Sateliot, GateHouse, Novamint | Description of store and forward operation |  |  |  |  |  |  |  |  |  | Revision of S1-222227. Same as 2227r3 No presentation | Agreed |
| 10 | 7.11 | S1-222337 | THALES, QUALCOMM | NTN based dual 3GPP access |  |  |  |  |  |  |  |  |  | Revision of S1-222047. Same as 2047r5 No presentation | Agreed |
| 12 | 7.11 | S1-222338 | SyncTechno, | Use case on dual 5G satellite access in maritime scenario |  |  |  |  |  |  |  |  |  | Revision of S1-222104. Same as 2104r1 No presentation | Agreed |
| 14 | 7.11 | S1-222339 | CATT | Use Case: Traffic Switch between Terrestrial and Satellite Access |  |  |  |  |  |  |  |  |  | Revision of S1-222144. Same as 2144r3 No presentation | Agreed |
| 18 | 7.11 | S1-222340 | Qualcomm | Use Case on PLMN plus PLMN-SNPN dual-3GPP access |  |  |  |  |  |  |  |  |  | Revision of S1-222214. Same as 2214r5 No presentation | Agreed |
| 20 | 7.11 | S1-222341 | Qualcomm | Use Case on inter-PLMN dual-3GPP access\_dual-RAT |  |  |  |  |  |  |  |  |  | Revision of S1-222216. Same as 2216r4 No presentation | Agreed |
| 22 | 7.11 | S1-222342 | CableLabs | FS\_DualSteer - New use case for Inter-PLMN mobility scenario |  |  |  |  |  |  |  |  |  | Revision of S1-222221. Same as 2221r4 No presentation | Agreed |
| 04 | 7.13 | S1-222343 | LG Electronics | SOBOT TR Skeleton |  |  |  |  |  |  |  |  |  | Revision of S1-222230. Same as 2230r7 No presentation | Agreed |
| 06 | 7.13 | S1-222344 | LG Electronics | SOBOT TR Scope |  |  |  |  |  |  |  |  |  | Revision of S1-222232. Same as 2232r1 No presentation | Agreed |
| 16 | 4 | S1-222345 | China Telecom | New WID on Support for Minimization of Service Interruption during Core Network Failure |  |  |  |  |  |  |  |  |  | Revision of S1-222080. Same as 2080r1 No presentation | Agreed |
| 19 | 4 | S1-222346 | China Telecom | 22.261v18.6.1 New requirements on MINT\_Ph2 |  |  |  |  |  |  |  |  |  | Revision of S1-222102. Same as 2102r6 No presentation | Agreed |
| 27 | 4 | S1-222347 | Peraton Labs | New WID on MPS for Messaging services |  |  |  |  |  |  |  |  |  | Revision of S1-222092. Same as 2092r3 | Agreed |
| 29 | 4 | S1-222348 | Peraton Labs | 22.153v18.1.0 MPS for Messaging services |  |  |  |  |  |  |  |  |  | Revision of S1-222093. Same as 2093r4 | Agreed |
| 32 | 4 | S1-222349 | Saankhya Labs, IIT Bombay | Usage of Non-3GPP DTT Broadcast Networks for Multicast/Broadcast Services (MBS) in 5GS |  |  |  |  |  |  |  |  |  | Revision of S1-222133. Same as 2133r11 No presentation | Agreed |
| 34 | 4 | S1-222350 | Saankhya Labs, IIT Bombay, Hewlett-Packard Enterprise, Ligado Networks, One Media 3.0, Fraunhofer IIS, CEWiT, Tejas Networks, IIT Kanpur, IIT Madras, IIT Hyderabad, IIT Kharagpur | 22.261v18.1.0 Usage of Non-3GPP DTT Broadcast Networks for Multicast/Broadcast Services in 5GS |  |  |  |  |  |  |  |  |  | Revision of S1-222131. Same as 2131r10 No presentation | Agreed |
| 40 | 4 | S1-222351 | ZTE, CEPRI, China Telecom, China Unicom | New WID on Measurement Data Collection |  |  |  |  |  |  |  |  |  | Revision of S1-222134. Same as 2134r4 No presentation | Endorsed |
| 43 | 4 | S1-222352 | ZTE | 22.261v18.1.0 New requirements for QoS monitoring |  |  |  |  |  |  |  |  |  | Revision of S1-222136. Same as 2136r8 No presentation | Endorsed |
| 46 | 4 | S1-222353 | China Telecom | WID on Multi-path relay |  |  |  |  |  |  |  |  |  | Revision of S1-222172. Same as 2172r7 No presentation | Agreed |
| 49 | 4 | S1-222354 | China Telecom | 22.261v18.6.1 Add requirements on multi-path relay UEs |  |  |  |  |  |  |  |  |  | Revision of S1-222173. Same as 2173r6 No presentation | Agreed |
| 04 | 7.1 | S1-222355 | Kyonggi University | Pseudo-CR on <minor editorial corrections on Clauses 7.1 and 7.3 > |  |  |  |  |  |  |  |  |  | Revision of S1-222245. Same as 2245r3 No presentation | Agreed |
| 07 | 7.1 | S1-222356 | Hansung University, LGUplus, KT, ETRI | Pseudo-CR on a use case for the operation of platform screen doors of the smart railway |  |  |  |  |  |  |  |  |  | Revision of S1-222224. Same as 2224r7 No presentation | Agreed |
| 09 | 7.1 | S1-222357 | Hansung University, LGUplus, KT, ETRI | a use case of automatic monitoring of railway smart station |  |  |  |  |  |  |  |  |  | Revision of S1-222225. Same as 2225r8 No presentation | Agreed |
| 15 | 7.1 | S1-222358 | Hansung University, LGUplus, KT, ETRI | Pseudo-CR on conclusion and recommendations for RAILSS |  |  |  |  |  |  |  |  |  | Revision of S1-222233. Same as 2233r6 No presentation | Agreed |
| 17 | 7.1 | S1-222359 | Hansung University | FS\_RAILSS consolidated requirements |  |  |  |  |  |  |  |  |  | Revision of S1-222254. Same as 2254r7 No presentation | Agreed |
| 20 | 7.1 | S1-222360 | Rapporteur (Hansung university) | pCR on TR clean-up |  |  |  |  |  |  |  |  |  | Revision of S1-222265. Same as 2265r2 No presentation | Agreed |
| 07 | 7.3 | S1-222361 | Huawei | Pseudo-CR on updates for IoT Clause 1 and Clause 3.1 (FS-AmbientIoT) |  |  |  |  |  |  |  |  |  | Revision of S1-222197. Same as 2197r2 No presentation | Agreed |
| 10 | 7.3 | S1-222362 | KPN | Power scenarios for Ambient IoT |  |  |  |  |  |  |  |  |  | Revision of S1-222206. Same as 2206r6 No presentation | Agreed |
| 15 | 7.3 | S1-222363 | Alibaba | Update of use case 5.4 |  |  |  |  |  |  |  |  |  | Revision of S1-222042. Same as 2042r1 No presentation | Agreed |
| 17 | 7.3 | S1-222364 | ZTE | Resolve editor s notes in clause 5.2 |  |  |  |  |  |  |  |  |  | Revision of S1-222123. Same as 2123r5 No presentation | Agreed |
| 19 | 7.3 | S1-222365 | Huawei, China Southern Power Grid | Pseudo-CR on updates to clause 5.3 |  |  |  |  |  |  |  |  |  | Revision of S1-222127. Same as 2127r7 No presentation | Agreed |
| 21 | 7.3 | S1-222366 | China Mobile | Update service requirements for use case-Ambient\_IoT for automated warehousing |  |  |  |  |  |  |  |  |  | Revision of S1-222153. Same as 2153r5 No presentation | Agreed |
| 23 | 7.3 | S1-222367 | KPN | Update of traffic scenario 6.1 with power scenario |  |  |  |  |  |  |  |  |  | Revision of S1-222208. Same as 2208r4 No presentation | Agreed |
| 25 | 7.3 | S1-222368 | Huawei | Pseudo-CR on updates to KIP table for Intralogistics (clause 5.5) |  |  |  |  |  |  |  |  |  | Revision of S1-222188. Same as 2188r4 agreed No presentation | Agreed |
| 27 | 7.3 | S1-222369 | China Telecom | Pseudo-CR 22.840 updating use case for Ambient power-enabled IoT sensors in smart homes |  |  |  |  |  |  |  |  |  | Revision of S1-222202. Same as 2202r3 agreed No presentation | Agreed |
| 31 | 7.3 | S1-222370 | Qualcomm | Ambient IoT for Asset Tracking in Airport Terminals / Shipping Ports |  |  |  |  |  |  |  |  |  | Revision of S1-222101. Same as 2101r10 No presentation | Agreed |
| 33 | 7.3 | S1-222371 | Qualcomm | Finding remote lost item with Ambient IoT devices |  |  |  |  |  |  |  |  |  | Revision of S1-222103. Same as 2103r7 agreed No presentation | Agreed |
| 35 | 7.3 | S1-222372 | Xiaomi | LCS for Ambient IoT |  |  |  |  |  |  |  |  |  | Revision of S1-222121. Same as 2121r3 agreed No presentation | Agreed |
| 38 | 7.3 | S1-222373 | ZTE | New UC: Online modification of medical instruments status |  |  |  |  |  |  |  |  |  | Revision of S1-222124. Same as 2124r6 No presentation | Agreed |
| 40 | 7.3 | S1-222374 | vivo, OPPO | New use case: Ambient IoT in personal belongings finding |  |  |  |  |  |  |  |  |  | Revision of S1-222142. Same as 2142r6 No presentation | Agreed |
| 43 | 7.3 | S1-222375 | China Mobile | New use case Ambient IoT for Base Station Machine Room Environmental Supervision |  |  |  |  |  |  |  |  |  | Revision of S1-222152. Same as 2152r4 No presentation | Agreed |
| 46 | 7.3 | S1-222376 | OPPO | New use case: Indoor positioning in shopping centre using Ambient IoT |  |  |  |  |  |  |  |  |  | Revision of S1-222187. Same as 2187r6 No presentation | Agreed |
| 48 | 7.3 | S1-222377 | Haier W. W. | pCR New use case: Ambient\_IoT enablement of smart laundry |  |  |  |  |  |  |  |  |  | Revision of S1-222196. Same as 2196r5 No presentation | Agreed |
| 50 | 7.3 | S1-222378 | Haier | pCR New use case: Ambient\_IoT in automated supply distribution |  |  |  |  |  |  |  |  |  | Revision of S1-222198. Same as 2198r6 No presentation | Agreed |
| 52 | 7.3 | S1-222379 | KPN | Traffic scenario for dairy cow stable |  |  |  |  |  |  |  |  |  | Revision of S1-222223. Same as 2223r2 No presentation | Agreed |
| 54 | 7.3 | S1-222380 | Apple | Use case on Ambient IoT Device Activation and Deactivation |  |  |  |  |  |  |  |  |  | Revision of S1-222235. Same as 2235r1 No presentation | Agreed |
| 04 | 7.4 | S1-222381 | China Mobile | pCR- 22856-Scope modification |  |  |  |  |  |  |  |  |  | Revision of S1-222084. Same as 2084r1 No presentation | Agreed |
| 08 | 7.4 | S1-222382 | Tencent, Tencent Cloud, China Telecom, China Mobile, China Unicom | pCR on update to 5.2 |  |  |  |  |  |  |  |  |  | Revision of S1-222025. Same as 2025r10 No presentation | Agreed |
| 10 | 7.4 | S1-222383 | InterDigital | Update to the Use Case on Localized Mobile Metaverse Service |  |  |  |  |  |  |  |  |  | Revision of S1-222023. Same as 2023r1 No presentation | Agreed |
| 13 | 7.4 | S1-222384 | Huawei, Orange | Pseudo-CR on updates to clause 5.3 |  |  |  |  |  |  |  |  |  | Revision of S1-222125. Same as 2126r6 No presentation | Agreed |
| 16 | 7.4 | S1-222385 | Tencent, Tencent Cloud | Pseudo-CR on Mobile Metaverse for immersive gaming and live shows |  |  |  |  |  |  |  |  |  | Revision of S1-222026. Same as 2026r5 No presentation | Agreed |
| 18 | 7.4 | S1-222386 | Samsung | Pseudo-CR on Use Case of Spatial Anchor Enabler |  |  |  |  |  |  |  |  |  | Revision of S1-222033. Same as 2033r1 No presentation | Agreed |
| 20 | 7.4 | S1-222387 | Samsung | Pseudo-CR on Spatial Mapping and Localization Service Enabler Use Case |  |  |  |  |  |  |  |  |  | Revision of S1-222034. Same as 2034r6 No presentation | Agreed |
| 28 | 7.4 | S1-222388 | vivo | Pseudo-CR on Use Case Immersive AR Interactive Experience |  |  |  |  |  |  |  |  |  | Revision of S1-222105. Same as 2105r2 No presentation | Agreed |
| 31 | 7.4 | S1-222389 | China Mobile | pCR Metaverse use case on supporting multi-application coordination in metaverse |  |  |  |  |  |  |  |  |  | Revision of S1-222194. Same as 2194r2 No presentation | Agreed |
| 33 | 7.4 | S1-222390 | Philips | New use case on synchronized predictive avatars |  |  |  |  |  |  |  |  |  | Revision of S1-222244. Same as 2244r5 No presentation | Agreed |
| 35 | 7.4 | S1-222391 | Intel | FS\_Metaverse Use Case: Mission Critical Metaverse HealthCare- Surgeries, Education, Consultation and Body scans/vitals. |  |  |  |  |  |  |  |  |  | Revision of S1-222249. Same as 2249r3 No presentation | Agreed |
| 04 | 7.5 | S1-222392 | China Mobile | pCR on NetShare Abbreviations |  |  |  |  |  |  |  |  |  | Revision of S1-222082. Same as 2082r2 No presentation | Agreed |
| 07 | 7.5 | S1-222393 | ZTE | New Requirements to Network Sharing |  |  |  |  |  |  |  |  |  | Revision of S1-222018. Same as 2018r5 No presentation | Agreed |
| 12 | 7.5 | S1-222394 | China Telecom | Pseudo-CR on International Roaming Based on Network Sharing |  |  |  |  |  |  |  |  |  | Revision of S1-222024. Same as 2024r9 No presentation | Agreed |
| 14 | 7.5 | S1-222395 | China Unicom | Pseudo-CR on use case of mobility scenarios and Requirements |  |  |  |  |  |  |  |  |  | Revision of S1-222048. Same as 2048r5 No presentation | Agreed |
| 16 | 7.5 | S1-222396 | China Unicom | Pseudo-CR on Use Case of Service Continuity and QoS Requirements |  |  |  |  |  |  |  |  |  | Revision of S1-222049. Same as 2049r6 No presentation | Agreed |
| 04 | 7.7 | S1-222397 | OPPO, Kyonggi University | Introduction of TR 22.876 on study of AI/ML Model Transfer Phase 2 |  |  |  |  |  |  |  |  |  | Revision of S1-222156. Same as 2156r1 No presentation | Agreed |
| 07 | 7.7 | S1-222398 | OPPO | Adding description in overview and updating the TR structure |  |  |  |  |  |  |  |  |  | Revision of S1-222154. Same as 2154r1 No presentation | Agreed |
| 10 | 7.7 | S1-222399 | China Telecom | Use Case of AI model transfer management through direct device connection |  |  |  |  |  |  |  |  |  | Revision of S1-222044. Same as 2044r5 No presentation | Agreed |
| 14 | 7.7 | S1-222400 | OPPO, China Telecom | Proximity based work task offloading for AIML inference |  |  |  |  |  |  |  |  |  | Revision of S1-222169. Same as 2169r4 No presentation | Agreed |
| 16 | 7.7 | S1-222401 | OPPO | Direct device connection assisted Federated Learning |  |  |  |  |  |  |  |  |  | Revision of S1-222170. Same as 2170r4 No presentation | Agreed |
| 04 | 7.9 | S1-222402 | China Mobile | UAV\_Ph3 TR 22.843 skeleton |  |  |  |  |  |  |  |  |  | Revision of S1-222161. Same as 2161r1 No presentation | Agreed |
| 06 | 7.9 | S1-222403 | China Mobile | pCR FS\_UAV\_Ph3 Scope |  |  |  |  |  |  |  |  |  | Revision of S1-222163. Same as 2163r2 No presentation | Agreed |
| 08 | 7.9 | S1-222404 | China Mobile | pCR FS\_UAV\_Ph3 Overview |  |  |  |  |  |  |  |  |  | Revision of S1-222165. Same as 2165r1 No presentation | Agreed |
| 11 | 7.9 | S1-222405 | Orange | New use case - UAV detection |  |  |  |  |  |  |  |  |  | Revision of S1-222079. Same as 2079r4 No presentation | Agreed |
| 13 | 7.9 | S1-222406 | China Mobile | New use case\_Support of UAV pre-flight preparation |  |  |  |  |  |  |  |  |  | Revision of S1-222166. Same as 2166r4 No presentation | Agreed |
| 05 | 7.10 | S1-222407 | Ericsson, Deutsche Telekom | Scope to the TR22.877 |  |  |  |  |  |  |  |  |  | Revision of S1-222011. Same as 2011r1 No presentation | Agreed |
| 07 | 7.10 | S1-222408 | Ericsson, Deutsche Telekom | Overview chapter to TR 22.877 |  |  |  |  |  |  |  |  |  | Revision of S1-222012. Same as 2012r1 No presentation | Agreed |
| 10 | 7.10 | S1-222409 | Ericsson, Deutsche Telekom | Welcome SMS use case to TR22.877 |  |  |  |  |  |  |  |  |  | Revision of S1-222013. Same as 2013r5 No presentation | Agreed |
| 12 | 7.10 | S1-222410 | Deutsche Telekom, Ericsson | SoR during registration procedure use case to TR 22.877 |  |  |  |  |  |  |  |  |  | Revision of S1-222014. Same as 2014r6 No presentation | Agreed |
| 14 | 7.10 | S1-222411 | Deutsche Telekom, Ericsson | IMSI based routing to a particular core network use case to TR 22.877 |  |  |  |  |  |  |  |  |  | Revision of S1-222015. Same as 2015r6 No presentation | Agreed |
| 04 | 7.12 | S1-222412 | China Mobile | EnergyServ TR 22.882 skeleton |  |  |  |  |  |  |  |  |  | Revision of S1-222178. Same as 2178r3 No presentation | Agreed |
| 06 | 7.12 | S1-222413 | China Mobile | pCR EnergyServ adding scope |  |  |  |  |  |  |  |  |  | Revision of S1-222179. Same as 2179r2 No presentation | Agreed |
| 08 | 7.12 | S1-222414 | China Mobile | pCR EnergyServ adding overview |  |  |  |  |  |  |  |  |  | Revision of S1-222180. Same as 2180r3 No presentation | Agreed |
| 10 | 7.12 | S1-222415 | China Mobile | pCR EnergyServ adding gap analysis |  |  |  |  |  |  |  |  |  | Revision of S1-222182. Same as 2182r1 No presentation | Agreed |
| 15 | 7.12 | S1-222416 | Samsung | 22.822 pCR - Energy Utilization as a Performance Criteria for Best Effort Communication |  |  |  |  |  |  |  |  |  | Revision of S1-222031. Same as 2031r4 No presentation | Agreed |
| 14 | 10.2 | S1-222417 | China Telecom | MINT\_Ph2 Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 15 | 10.2 | S1-222418 | Peraton Labs | MPS4msg Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 16 | 10.2 | S1-222419 | Saankhya Labs | DTTB4MBS Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |
| 17 | 10.2 | S1-222420 | China Telecom | MultiRelay Status report |  |  |  |  |  |  |  |  |  | Expected by Friday 2nd 23:00 UTC | Noted |